

TOPOGRAPHICAL
BOTANY
—
PART FIRST.

2Nols

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NATURAL HISTORY

BIOLOGY

BIOLOGY

F. J. Law

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21-

DIVIDED INTO

Designed to illustrate

THE DISTRIBUTION OF BRITISH PLANTS.

XVIII. a

XVIII.b

XVIII. c.

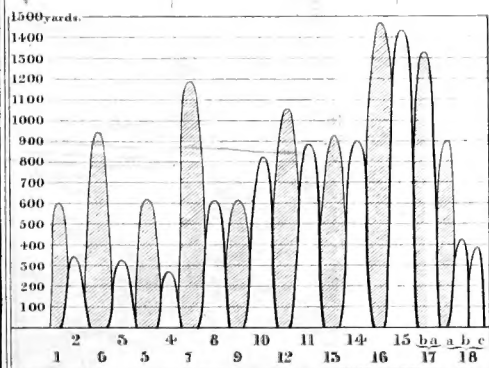
EXPLANATIONS.

The larger provinces and larger counties are further subdivided in order to form a second & third series of sections, subordinate to the provinces and more uniform in size with the smaller and undivided provinces and counties. The sub provinces and vice counties mostly retain their old names, with a prefixed distinction as NORTH or SOUTH &c.

Local lists of plants might be adapted to any of these divisions, especially to the counties and vice counties, with much future convenience and usefulness, likely to arise from such correspondence.

Boundaries are marked thus:

----- *Provinces*
----- *Sub provinces*
----- *Counties &c.*



SCALE OF ALTITUDE.

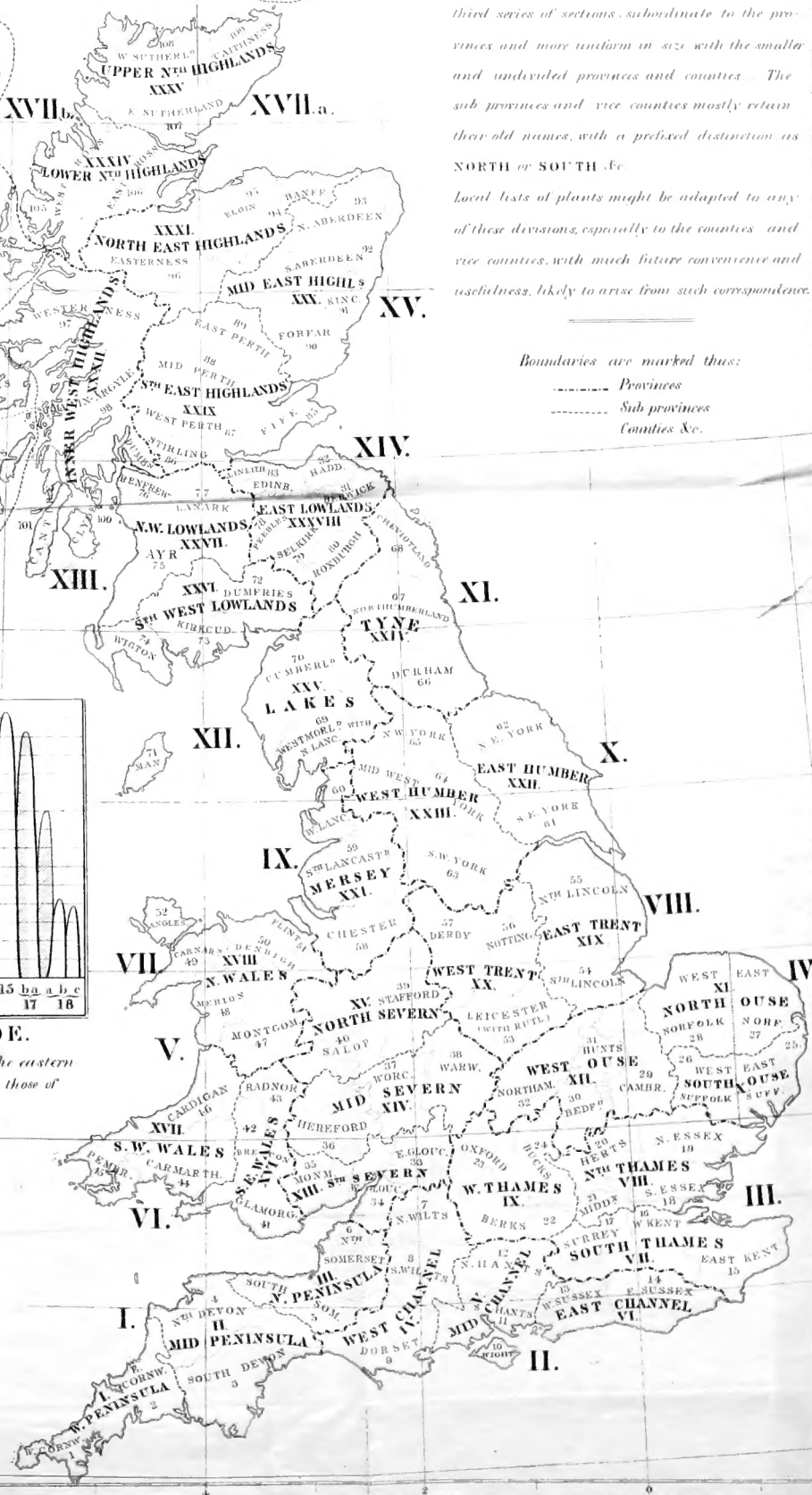
N.B. The western provinces stand behind the eastern and are shaded. The Nos. correspond with those of the provinces on the margin of the Map.



ASCENDING ZONES.

1, II, III. Infer., Mid., Super., agrarian.

IV, V, VI. Infer., Mid., Super., arctic.



TOPOGRAPHICAL BOTANY.

BEING

LOCAL AND PERSONAL RECORDS

TOWARDS SHEWING

THE DISTRIBUTION OF BRITISH PLANTS

TRACED THROUGH

THE 112 COUNTIES AND VICE-COUNTIES

OF

ENGLAND AND SCOTLAND.

BY

HEWETT COTTRELL WATSON.

Part First.

RANUNCULACEÆ—CONIFERÆ.

THAMES DITTON.

PRINTED FOR PRIVATE DISTRIBUTION ONLY.

1873.

LONDON :

E. NEWMAN, PRINTER, DEVONSHIRE STREET,
BISHOPSGATE.

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v. 1

PREFACE TO PART FIRST.

A DIVISION of this work into two or more Parts has become a matter of necessity or forced convenience, more than one of preference. At the time of writing and printing the *Introduction*, it was hoped by the writer that he would be able to keep ahead of the printer uninterruptedly until the whole series of Orders should be completed. Under that expectation a "First Volume" was there mentioned, with the possibility of a "Second" to follow. But the Dicotyledonous Orders only were got through (in the winter of 1872-3) before the diverging avocations of summer obliged the Compiler's pen to be set aside until a succeeding winter.

Practically the choice lay between postponement of the whole, or distribution of the completed portion of the volume as a *Part First*; leaving the Monocotyledonous Orders, together with the needful personal and local explanations about the authorities cited, to follow as a *Part Second*. Should the chances of life and health be such as to prevent the appearance of that continuation, the want of it may perhaps assist in shewing that such a work completed might have proved more useful to botanists of a future generation, than some among those of the present generation appear disposed to believe or to acknowledge.

But looking forward to a *Second Part*, intended to include the comparatively few remaining Orders, there may likely be some spare space therein for additions relating to those Orders which are treated in this *First Part*. If competent botanists who receive copies of this present *Part*, will glance through the lists, in order to examine those counties with the plants of which they are best acquainted, and will then communicate any additions or important corrections, these may very likely be in time for insertion at the end of a *Part Second*. Failing space there, it may appear desirable to make a *Supplementary* or *Third Part* for them. Indeed, the bringing together most of what is known, has the incidental advantage of drawing

9 Dec 28 1873-74
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attention to the unknown or the overlooked details ; which thus may sooner become known and noted.

The serial arrangement of the species corresponds with that of the 'London Catalogue of British Plants.' The nos. correspond with those of the 'Catalogue'; as, also, with those prefixed to the names of species in other works by the same writer ; subject, however, to some few changes which have been gradually and unavoidably made in the numeration, during the thirty years which have elapsed since the first edition of that Catalogue was written. The Sixth Edition of the Catalogue is the one which will best serve for a systematic Index to this present Work. Notwithstanding some occasional changes, chiefly through additions or subdivisions of species, it will be found that the approximate uniformity of sequence and numbering, which has been adhered to in the same writer's several books, will much facilitate references from one to another of them.

The small Map, mentioned on page 21, is postponed. A temporary substitute will be loosely introduced. If this latter should be wanting in any copy of the book sent out, an application for it can be made to the Author.

The number of printed copies of this work is limited to one hundred. With so small an impression the copies can be distributed only among those botanists who have rendered efficient assistance to the Compiler in bringing together the mass of details from which the printed records have been selected. Uncertainty as to their present addresses may lead to some of those kind correspondents being seemingly overlooked. Besides those who are deceased, there are others still living who have withdrawn from botanical pursuits, and who consequently would now care nothing about a book of mere details. The numerous deductions thus to be taken, from the full list of past correspondents, will perhaps make the hundred copies suffice for supplying those among the remainder who may desire to possess this work.

Thames Ditton, Kingston, Surrey.

July, 1873.

INTRODUCTORY EXPLANATIONS.

IN former works by the writer of this volume a wish was repeatedly expressed, that his records showing distribution of plants, might be carried downwards from provinces into the more copious details of *county* habitats; at the same time, indicating also the *personal testimony*, in reliance on which the distribution of the plants could be so set forth. The citation of such personal testimony would equally corroborate their provincial distribution, as previously set forth in the 'Cybele Britannica' and connected works; in which the counties have been usually treated in provincial and sub-provincial groups, not singly or further divided into vice-counties, as they are now to be taken here. For example, in here stating personal authorities for the counties of (say) Cornwall and Devon and Somerset, one or two for each county, three to six such authorities will thus be adduced for the existence of the plant in the province of the Peninsula; also one or two for the dispersed existence of it in each of the three Peninsula sub-provinces.

It is to be understood, indeed, that one chief purpose in entering upon the comital details, is that of doing somewhat tardy justice to those botanists, whose labelled specimens and manuscript notes and local lists have often proved so useful to the Author, while writing the 'Cybele Britannica' and allied works. He has always felt it incumbent upon him, and due to those valued correspondents (alas, too many of them now no more) that some method should be found for at any rate partially putting on permanent record his great obligations to them. To do so, is to pass down to a succeeding generation the clearest evidence, not only on which of the botanists of the current period the progress of topographical botany has so largely

depended, but also on which of them the Author of the 'Cybele Britannica' has found reason to place a preferential reliance, on the ground of scientific competence and moral trust; the latter sometimes unfortunately wanting in cases where the former might otherwise have sufficed.

Very recently, on page 178 of a 'Supplement to the Compendium of Cybele Britannica,' an intimation was reluctantly given, that the projected work on county distribution might likely be relinquished, and for reasons there mentioned. That intimation drew forth from several botanical friends their expressions of regret at the probable failure thus to complete the contemplated series of books on the geographical and topographical botany of Britain. It has been forcibly urged that a present summary of comital distribution would certainly prove serviceable hereafter, and so far as it should reach, even although anticipated events might suddenly occur to prevent its entire completion. To this argument must be added the further inducement, that even a fragment of the projected work, although never completed, would to some extent single out and show the names of those botanists, on whose aid antecedent works have so much depended.

Another and larger section of botanical friends, particularly among those who take the highest positions of botanical authority, very strongly objected against the avowed intention to destroy the Author's herbarium of British plants, as mentioned in connexion with the probable abandonment of the work on county distribution. The two questions are connected together more closely than may be apparent on first thought; at any rate, so connected together in the writer's own ideas and plans. While a work on county distribution can be proceeded with, so long at least the herbarium must be preserved, in order to cite from it the personal testimony afforded by its numerous labels. The reasons for its early destruction, too, may be said to become lessened in proportion to the progress made in recording county habitats, because the records themselves will frequently show

the proper *present* nomenclature of specimens differently labelled in the herbarium. Moreover, in looking regularly through the collection for such a purpose, some alterations or explanations would probably be made, such as might never be made without that sort of compulsory opportunity. Still, the inclination to destroy it remains unchanged; and the reasons for so doing appear valid and cogent.

The existing peculiarities of the collection, which would render it liable to be misunderstood or misused, if left without counter-check, may be briefly adverted to here, as bearing intimately on the object of this volume, and more particularly in its citation of *personal* testimony derived from *labelled* specimens. The herbarium has been in course of collection during many years; the time ranging from the student life of the collector to old age, say, through the dates of 1830—1870 and something over. Gradually, during those two score years and upwards, many changes have been made in the nomenclature of the plants; and those name-changes not seldom arising out of changed views on the limits and distinctions of species. Thus, the names entered in the herbarium often will require to be construed with strict reference to *dates*, and by botanists sufficiently familiar with the botanical histories of the species to which they are applied. Young botanists are always more or less deficient in this requisite; and the conceited and self-confident among them naturally misinterpret their own mental vacuities into errors on the part of the labelling herbalist.

In various instances a name formerly used by common consent, and thus designating a plant for the time being, has been subsequently transferred to quite a distinct plant; another name being then bestowed upon the plant formerly so designated. And as we cannot teach or persuade every botanist forthwith to understand and accept the change of nomenclature, there comes an intermediate or transition period; during which the name is still used in the earlier sense or application by some botanists, while it is applied in the later sense by other botanists. And thus,

in a collection gradually accumulating during a series of years, and drawn together from many sources, the very same plant will appear labelled under different names, or different plants will have the same name applied to them. Such cases as these cannot rightly be called blunders in nomenclature either by sender or by receiver, although they might readily be supposed so on a cursory glance at the labels, without taking special note of their dates, with the explanations which the dates ought to suggest; usually would suggest to the experienced botanist, who had watched the gradual name-changes through a long life-time.

An example may render this more clear. In the time of Hudson and Smith, and even several years later, the name of *Oenanthe pimpinelloides* was in general use to designate the plant now better known to most of us by the name of *Oenanthe Lachenalii*; the former name being now as generally given to another plant abundantly different. Of course, specimens labelled "*pimpinelloides*" in (say) 1820—1840 would very usually be the same with specimens labelled "*Lachenalii*" in (say) 1850—1870; while, during the intermediate years 1840—1850 and even later, some botanists would assign the one name, some botanists would assign the other name, to specimens of the plant in question. The difference here, although a sort of misnomer, would not properly imply error on the part of either set of labellers; it might arise simply from one of them adhering to the nomenclature of (say) Smith, and the other of them adopting the altered nomenclature of (say) Babington.

Another mode in which the right reading of a name turns on the date of its use, arises out of the modern tendency to divide and subdivide the species accepted as such by our predecessors. When aggregate species A B C comes to be divided into three segregate species A and B and C, the old name which designated the aggregate, is too usually retained with a changed and restricted meaning to designate A only; other names being found for B and C. Equally in this second class of cases a

confusion of nomenclature arises. The aggregate species A B C may chance to be represented in an herbarium by specimens of any one, or of two, or of all three segregates; placed there under one and the same name, that is, under the original name which subsequently has come to mean A only; while at a later date other specimens of B and of C may have been placed with the former, and then labelled under their newer names. In appearance, at some after time, there will be great confusion among the plants and names, if examined by succeeding botanists unprepared to apply the necessary explanations by reference to past dates and name-changings.

An example may again be useful in illustration of this. At past dates, say 1830—1840, the name *Potamogeton natans* may have been written, without any real blunder or misnomer, on a label attached to a specimen of *Potamogeton polygonifolius*, or on another connected with a specimen of *Potamogeton plantagineus*. These labels were correct according to the ideas of the species formerly accepted, and even still so accepted as lately as the date of Bentham's Handbook in 1858. But at more recent dates, say between 1860—1870, and tested only by the views about these plants subsequently accepted among us, the labels might appear to be errors of names; that is, unless the former triple application of the one name *natans* were steadily kept in recollection. An herbarium formed during the years 1830—1870 may thus represent any diversities of nomenclature currently used in books during the same period, or even long antecedently, according to the descriptive books relied on by the labellers.

Besides those two sources of misnomer—or, discords connected with dates, rather than real errors of name—there have been purposely glued into the herbarium, here referred to, not a few actual errors of name on the labels with specimens; some of them very wide errors indeed. Two useful ends were sought in thus preserving specimens sent with wrong names on their labels. First, when the locality has been actually recorded in books for the wrong plant, the contradiction between label and

specimen will yield the clue to correct the mis-records ; and in this way a mislabelled specimen may be found more valuable than one rightly labelled. In other cases, when several labels meet together, all alike assigning the same wrong specific or varietal name to several specimens of the same species or variety, the inference becomes unavoidable and the suspicion warranted, that a like misnomer may have occurred in other analogous instances, where now only a printed record remains to guide our judgment.

Again, let an example or two be given in illustration of such wide misnomers. In the herbarium under consideration there is a specimen of *Stellaria graminea*, sent to the Botanical Society of London labelled as *Linum catharticum* ; and more strangely, the label is initialed by the then Curator and Secretary of the Society (both deceased) in order to certify the correctness of the name. Of course, this specimen with its label finds place in the herbarium simply as an instructive curiosity ; but how easy for some self-conceited or malicious detractor to make a parade of his own superiority by pretending to correct an obvious blunder as if it had been shared in by the owner of the herbarium !

A rather curious form of mislabelling arises through some similiarity of name in sound or in meaning. For instance, *Poterium Sanguisorba* mislabelled *Sanguisorba officinalis*, and that done by a very good and well-known botanist. So, an example of *Potentilla rupestris* until lately might be seen labelled as *Potentilla alpestris*, and localised on the Breadalbane Mountains ; the specimen and locality attributed to Dr. Greville. The false locality got into print during the life-time of that accurate and very estimable botanist, who disclaimed it altogether. The specimen had come to the Botanical Society of London, through the hands of a lady equally a member of the Edinburgh Society. Either by herself, or by the distributor of the latter society, a Welsh specimen of *Potentilla rupestris* had been substituted for a Scottish specimen of *Potentilla alpestris*.

The lady alluded to certainly distributed numerous specimens of other plants which had assuredly never been gathered in the localities written on their labels, and several of these apparently had come to her hands through the Botanical Society of Edinburgh. Her labels will be ignored in this book.

The special case under allusion, be it kept in recollection, is that of an extensive British herbarium, gradually collected together during a period of forty years and upwards, and contributed to by botanists of widely unequal age and botanical experience, and whose own labels are usually glued down with the specimens. These are circumstances tending much to increase the discrepancies of nomenclature, and to endanger mistakes in consulting the herbarium. Unless a posthumous inspector of it be duly prepared to examine the specimens and labels with constant reference to the received views about species and their nomenclature, currently in use at and before its many dates, he will himself almost inevitably misread differences of name into errors of name. And further, on seeing various specimens preserved there positively under erroneous names,—and not aware that in most of such instances the misnomers were actually the chief inducement to preserve the specimens,—he may choose to attribute to ignorance on the part of the former owner of the herbarium, what would be more truly attributable to the imperfect character of his own acquaintance with that owner's motives, or with the past history of the species. A conscientious inspector might be unwittingly misled in such instances. An unscrupulous one might very willingly be so, in order to get a plausible opportunity for announcing pretended corrections, or for showing off his own detective cleverness. To suggest this latter supposition, is expressing a low estimate of the consciences of some of the botanists who have most distinguished themselves by raking up little things out of old herbaria; but it is an estimate sadly founded on facts,—on acts done and statements printed. Certain botanists, who now seek to make themselves thus conspicuous,

appear unable to understand the difference between criticism *freely* expressed and criticism *falsely* expressed ; perversely substituting the latter under pretence of the former.

Unfortunately, in mounting specimens in the herbarium here specially referred to, as they were received from their collectors or donors, the importance of glueing down also the actual labels which accompanied the specimens, was at first not sufficiently recognized ; and thus some of the names (misnomers included) are entered there in the receiver's own handwriting while fastening down the specimens ; such names not always written within inverted commas, although usually thus written to remind that the specimens came so named, right or wrong as the case might be. Altogether, a good many explanatory notes and some corrections would be required in the herbarium, before its present owner could prudently leave it as a posthumous collection for other eyes and hands.

To return from a digression, though one more explanatory than irrelevant. Admitted the desirability of making some printed record of the local facts shown on the labels of specimens in the writer's herbarium ; also, in his manuscript notes and in local lists furnished to him by other botanists, several of them now deceased. This being admitted,—How can a record of presently ascertained plant-distribution, carried into the details of counties, be effected within any moderate compass of text ?—or, even be compiled at all, with approximate accuracy and completeness, in a short span of time ? What will be the number of pages absolutely necessary for carrying out the object ; economy in the money cost, and also in the time of writing and printing, both taken into account. Both must be found by the writer himself, seeing that he will not print any sale copies of a work so uncertain of reaching a completion ; and which, moreover, must unavoidably include a full share of the errors and oversights inseparable from a first attempt of its kind, and one brought out under very unfavourable conditions

of age and leisure. Doubtless, all botanists of liberal thought will look chiefly to what a first such compilation may accomplish under difficult circumstances, not to what it leaves non-accomplished; but liberality of thought is far from universal.

In the 'Compendium of Cybele Britannica' the Index of names, specific and varietal, counts up to 2600; of which (say) 100 may be only second names for the same identities. But numerous varietal names of ferns and grasses, of brambles and briers, of mints and hawkweeds, and of some smaller genera, do not appear in that Index; so that we should be counting considerably under the full figure in taking only 2500 named species and varieties for the alleged flora of Britain.

Say, that we should not much exceed the mark by taking it at 3000, including all the named varieties, all the yearly increasing casual plants, and all others improperly reported as quasi-wild in Britain. The number of counties, along with the subdivision of the larger counties into vice-counties, amounts to 112; many of the commoner plants occurring in all or nearly all of these counties. Perhaps we may fairly take 50 counties and vice-counties, something under the half, as an average number for each plant. Multiply the one figure by the other, 3000 by 50, and the result would appear in the fearful number of 150,000 special items or facts, real or imaginary; each of these items consisting of the name of a county or vice-county, along with the name of at least one botanist selected as voucher or testifier to the fact.

It is difficult to conceive any method by which these double names could be *clearly* quoted, without allowing on the average a half line of text to each pair of them. Now, 75,000 lines printed at the close rate of 40 lines to a page, over and above the space needed for plant-names, would require 1875 pages of text, without reckoning in the extra pages further required for necessary Explanations, Index, &c. Altogether, a work so inclusive might run up to four volumes of 500 pages each; the expense of printing which would be much too great for the

object sought; besides the adverse consideration, that it would never attain to a completion. The work cannot be undertaken at all, unless under some plan which will reduce this terrible length into the compass of a single volume at first, with a possible second for plants discarded from the first volume. Such was the division of the plants into two categories, in lately writing the three successive Parts of the 'Compendium of Cybele Britannica;' so that the two earlier Parts would have formed a completed work of themselves, even although not followed by a Third Part, nor this again by a 'Supplement.'

In yet more lately treating of plant-distribution by secondary provinces, or sub-provincial groups of counties, in that 'Supplement' to the last-named work, a closer condensation was effected in a manner which cannot here be resorted to for the counties. The needed condensation was there effected by omitting references to personal or individual authorities, with some few occasional exceptions,—by resorting to the nos. instead of the names of the sub-provinces,—and by so placing the little word "to" as to make it represent any continuous series of nos. between the two extremes of 1 and 38. But in this present work the object specially in view, is that of recording the *names* of personal authorities or witnesses; connected also with the *names* of counties and vice-counties, lest the longer series of 112 nos., instead of names for the latter, should be found to over-tax and confuse memory in their practical application. A reduced selection of the plants to be treated, and a reduced selection of the counties to be nominally enumerated for them, offer the only available modes for bringing the work within the narrowed bulk of a single volume, to which any second is unlikely to be added.

A selection of the plants can be made by limiting them to the more generally known and accepted species, whether aggregates or segregates; excluding for the present most of the varieties, along with the aliens, casuals, errors, etc. A selection of the counties may be made by limiting the enumeration of

their names to those of counties from which the plant has been reported on fair authority, as being presumably indigenous there, denizens and colonists here ranking with truer natives. Other counties can be sufficiently shown by their nos. only; that is, those supposed to have been erroneously reported for the plant, and those into which it is believed to have been introduced by human agency alone. Those in support of which the recorded authority appears to be insufficient for scientific reliance will be left out or grouped with the former. Any botanist who has glanced at the array of enclosed nos. in the recently printed 'Supplement' above mentioned, will have seen how numerous a portion of the recorded habitats there came under one or other of the two categories,—the non-indigenous () or the supposed errors [].

These preliminary observations on the end sought, and the difficulties in attaining it, will facilitate an understanding of the methods resorted to for that purpose;—here resorted to, not because they are the best possible, but because they appear to be practically best under the circumstances. Except in the cases of the commoner plants, all the counties will be enumerated by *name and no.* under each species treated; that is, all which have been found recorded on authority sufficiently reliable, and without being too exacting in the test; a change to *nos. only* being made for sake of brevity under the conditions mentioned above.

It is to be distinctly understood, however, that the enumeration of counties does not undertake or profess to be absolutely exhaustive of all records of the kind. On the contrary, it is to be understood as including only those which came under the compiler's consideration while writing the 'Cybele Britannica' and its Compendium; with the further addition of others *directly brought to his notice* on good personal authority at any later date.

The name of a *personal* authority or witness for the county is

added from one of the three following sources. *First*, the labels of specimens (sp.) still preserved in the Compiler's herbarium, or which have passed through his hands for inspection. In the former of these two cases the specimen may have reached the herbarium through intermediate persons, the donor and collector not being identical; and as the space at command cannot admit two or three names, sometimes it may be the name of donor, sometimes that of collector, which is cited; usually, the latter. *Second*, other manuscript (ms.) notes of localities communicated by correspondents, on whose good faith and prevailing accuracy due reliance can be placed. These notes have frequently been sent in the form of remarks in letters, and some of them afterwards withdrawn or corrected; and it is possible that, in now reverting to them for use here, the first remark may turn up again apart from the forgotten correction. *Third*, local catalogues (cat.) of plants drawn up by botanists resident in or visiting the places to which the catalogues are made to relate. These lists have usually been made out by marking in a copy of the 'London Catalogue of British Plants' the names of all those actually seen by the marker within the area under consideration; separate marks being used to distinguish between the indigenous and introduced plants.

No fixed rule can be laid down as to precedence in the citations; perhaps most usually a preference will be given to the "sp." But "cat." may often come more readily to hand, and thus be cited instead, without always implying that no specimen has been seen from the county. The printer is instructed to leave out the abbreviations (sp. ms. cat.) if want of space in the half line may render such an omission necessary. Only a single selected authority can be cited within the space allotted; although in many cases there may be several manuscript authorities in addition to others already in print elsewhere.

Further, the sign of certainty (!) will follow the names of

counties in which the plant has been seen by the Compiler himself, and some note of the fact kept as an aid to memory. This abbreviation will double the testifiers to several of the counties, and without any real increase of text. It must often be omitted, however, through failure of memory or absence of memorandum. The occasional exchange to *italic* letters will indicate a decided suspicion that the plant is non-indigenous in the county so distinguished, neither native nor sufficiently established and constant to be properly taken into the category of denizen or colonist. The obelisk sign (†) affixed after the name of a botanist, will signify that *he* mentions or marks the plant as being likely an introduction; but individual botanists apply the mark so unequally or dissimilarly, one compared with another, that a free leave of choice must be taken here in the addition or omission of it; the more so, because the alternative signs (* †) are reduced to the single one (†). The query (?) will indicate more or less of doubt or uncertainty.

Printed books will be referred to so seldom and exceptionally that it may be taken for a fixed rule (not quite invariably adhered to) that only *original personal* authorities will be cited, and these shown by manuscripts in the compiler's own possession; and the counties which can be so vouched will be seen to be numerous. Those names of counties which are unconnected with the name of some botanist, or by the sign of certainty (!) above explained, must be understood to rest solely on some such authority announced elsewhere. Space and time sufficing, some explanations concerning those authorities may possibly be appended after the detail of counties. Published works of course are open to any else, equally as to the compiler of this book; and those who require their personal authorities can consult the local Floras and other publications for them, equally as done by the writer of this book. Usually, the personal witnesses, as cited by surnames herein, will be amply sufficient to show and prove the true

area of distribution apart from undue extension through errors, or through reprehensible efforts to represent artificial habitats as natural or indigenous ones.

References to books are advisedly omitted. The quarter line of space, available after the name of county, will commonly suffice for the citation of a single surname; although the same short space would prove insufficient for surnames accompanied by book references *in extenso*;—for instance, such references as these :

Hiern, in Jour. Bot. vol. iii. p. 328.

Hemsley, in Jour. Bot. vol. vi. p. 263.

Forster, in Jour. Bot. 1867, p. 76 [73].

Wintle, in Jour. Bot. 1867, p. 279.

Gibson, in Jour. Bot. vol. vi. p. 319.

Unfortunately, a foolish declaration has been set forth in the Journal of Botany (partly under the editorial control of Mr. J. G. Baker) that citations of books more abbreviated than above shown are insufficient for botanical service. Thus, in the present case, where only a quarter line or less is available, the guilt of “insufficiently” quoting must be avoided by the counter rule of not quoting journals or other books at all; resting content with those surnames only, which are unconnected with volumes and pages.

If this present work should attain an enduring completeness, some botanists of the future will find out more practically than gratefully, through these advised omissions, that abbreviated citations of authorities might have usefully subserved one purpose,—say, that of simply showing an authority,—although not so full or lengthened as to subserve also every other possible purpose for which quotations might be made available, if made under the condition of unlimited space for them to be printed *in extenso*. The narrow-mindedness and the short-sightedness of the Journal's rule should be disclaimed by Mr. Baker himself; it being a rule well adapted only to those writers who seek to expand their own *minimum* additions to science into a

maximum of printed text ; while it becomes ridiculously inapplicable to those who seek to compress the information they include on the opposite principle, on that of making up a *multum in parvo*.

This book is not the Flora of one little county, which has to be inflated to a volume of four or five hundred pages, on the rake-up and repeat-over-again principle. On the contrary, its leading purpose is to adduce and arrange original personal testimony in a very condensed form ; repetitions from books being resorted to only where such more direct testimony may fail. If the county so certified afresh had been previously recorded on other authority, then the adduced testimony becomes so far an added evidence for the correctness of the earlier record ; with the further advantage of showing the persistence of the plant in the same habitat or county. If not previously on printed record, then the habitat so testified is of course an addition to accumulated knowledge on the subject. As to mere priority in seeing a plant in a place, the mind which can find importance in a matter so small, must itself be a very small mind indeed.

It has happened in various instances, that botanists have kindly sent to the compiler local lists or manuscript notes, and afterwards have themselves given printed currency to the same. In several of these cases the lists and manuscripts will still be used, and be quoted here as if original ; although in some sense they have ceased to be so, and might now be left unquoted. Thus, Professor Lawson gave the compiler a list of plants observed in the Isle of Skye by himself and the Rev. H. E. Fox, and afterwards printed the same for general use. In like manner, Professor Balfour long ago supplied lists of plants observed by himself in Isla and Cantire, which were also subsequently printed in a periodical. And the same is the case with a list of plants observed by Professor C. C. Babington in Pembrokeshire. In such cases as these, it would assuredly be most unwise to forego the advantage of citing good personal

authorities for the county habitats, and on no better reason than the mere fact that they had already appeared in some journal or other book; the addition of which to their names, with volume and page also specially shown, would require a full half line or upwards, instead of the quarter line or less here actually available. The individual personal authority being the one essential matter, those compiled lists which have been founded on the joint testimony of several different botanists, whether printed or still in manuscript alone, obviously cannot be quoted. Unfortunately, the compiler has grounds for suspecting that the distinction here specified has not been always strictly adhered to by the makers of the local lists themselves; who appear in some very few of the lists to have entered plants on hearsay testimony, or even on supposition only, and yet entered them as if certainly seen. He has absolutely rejected three marked catalogues on their internal evidences of this deception or carelessness; and of course the markers were deeply offended.

If a botanical correspondent should deem his name erroneously quoted for any county and plant, it is requested that he will at once point out and correct the error. This should be done, whether the error may have arisen through a mistake by the compiler, or through an inadvertence in the original note or label or list of plants sent to him. Failing any indication to the contrary, the compiler must himself be held responsible for the nomenclature (sp.) of the plants; the more so, because the names on labels have been altered occasionally by his own hand; so that a collector may find himself here credited for a species different from the one supposed to have been sent. Such cases will be the exceptional few; although the writer's own experience and opportunities have told him that not any botanist, who labels much, will entirely avoid occasional mistakes and inadvertences in writing the names of plants.

In accordance with an intimation given elsewhere (Supp. Comp. Cyb. Brit. p. 2) this present compilation also must still

be understood to have consulted other books up to 1870 only. Essentially it is a condensed county-arrangement of the notes made use of in writing the 'Compendium of Cybele Britannica' and its more lately printed 'Supplement'; although not without a good many details subsequently added thereto. In particular, manuscript notes, labelled specimens, or other such communications considerably sent by correspondents, will be entertained and made use of to the latest date practicable, under the exigencies of printing, and also while printing under the strain of selecting from a vast mass of small details, impossible to be re-verified *seriatim* when the condition of time or leisure has become so inconveniently restricted. The manuscript for the polypetalous dicotyledons will go to the printing office early in February, 1873. After that time no *county* can be added into the series for any of those plants, because involving the need of an extra line if attempted.

Doubtless local botanists will readily detect errors and oversights, if they will take those counties with the botany of which they are most familiar, and regularly note whether such counties are named or omitted under each plant known to themselves as being found there. They will thus not only detect what may be wrong, but will also see what is still wanting formal record towards completing the county list. It is utterly impossible for one single botanist to keep up to all that becomes known about the plants and places of each and every county. No Flora of a single county has ever been printed, to which a list of "Additions and Corrections" could not have been made out; and that perhaps even before the Flora was fairly through the printing office. A compiler who takes cognizance of 112 counties and vice-counties should be allowed the same chances for errors and oversights multiplied a hundred-fold,—nay, much more, since one botanist may know some one county very well, while it is impossible that one single botanist can know a hundred counties equally well.

Notwithstanding this obvious truth, however, the writer's

intercourse with other botanists has taught him, that there are those among them who conceive it a great feat achieved, when they have drawn up an approximately complete list of the plants to be found in some single county or even in an area much less than that of an average county. Yet these same botanists are surprised, or affect to be surprised, on finding that another compilation, which includes a hundred such spaces or upwards, should appear to be less approximately complete than their own small achievements. They would fail to understand, for instance, that in such a compilation as this present one, concerning itself with *all* the counties, a hundred oversights or omissions would be only the equivalent to a single such defect in one of their own county lists; the difference between the respective areas being duly allowed for. It may be found an easy task to bring up the Flora of a single small county to the actual date of printing the book; especially so, if two or three compilers should be busy at the same time on the same book. And yet it is preposterous on that account to expect of a single writer, that he should bring up the combined Floras of a hundred counties equally to a like late date.

Take an example in illustration of this. A lately published Flora of Middlesex, almost the smallest of English counties, has five closely printed pages of "Additions and Corrections" at the end of it; all those petty details, it may be supposed, first becoming known to the two industrious compilers of that work while the book was actually printing, or they would have been made on their proper pages, not entered at the end as A and C. The total area of Britain is not much below three hundred times the area of that one small county;—less than none at all below, if the spaces covered by streets and gardens be allowed for. At a corresponding ratio of three hundred to one, how many pages of "Additions and Corrections" ought to be allowed to the manuscript notes and other data collected for this present compilation? Imagine five closely printed pages of "Additions and Corrections" multiplied three hundred

times ! Say, that the five pages include 100 additions or corrections. Multiply these 300 times over. Result :—30,000 additions and corrections, a number not likely to be discovered while this book is printing !

With regard to the *commoner plants*, such as Bellis, Calluna, Prunella, Corylus, and numerous others, which almost certainly occur in every county, and have been actually reported from ninety or a hundred of them. It cannot be held advisable to enumerate the long series of county names and authorities for these generally found plants ; thus adding much to the bulk of this work, and exceedingly little to its usefulness. And yet it appears undesirable to leave out of notice entirely any of those generally distributed plants ; the more so because, so soon as this course should begin to be acted upon, a real practical difficulty would spring up in the question, how or where to trace the separating lines between *common* and *not common*. Many of the plants which might well be called “common” in South Britain become decidedly rare in North Britain ; some of them even partially rare in Mid Britain ; and it is for these plants that the practical difficulty most comes in the way, in any endeavour to reduce the bulk of the book.

An alternative presents itself in treating the common plants, such as really do occur plentifully in most or all of the counties. The required space can be lessened by showing the counties for which the compiler’s notes do *not* supply any direct personal authority, instead of the contrary course. When a plant is already known to occur (say) in 90 or 100 counties, it will be a shorter plan to enumerate negatively the other 10 or 20 counties, instead of the larger number affirmatively. Each “common” plant thus treated will save a full page of printed text. And even this shorter alternative may be still again slightly curtailed. There are nine counties for which no lists of the commoner plants have been obtained ; although something is known about their rarer plants. As these counties would almost invariably come into the list of blanks, of negative

citations, it is needless to enumerate their nos. (say) two hundred times over. They can always be mentally understood or implied as additions, without being expressly mentioned. These nine counties are the following :

42 Brecon.	74 Wigton.
43 Radnor.	78 Peebles.
47 Montgomery.	79 Selkirk.
48 Merioneth.	103 Mull.
(All in Wales.)	105 West Ross.

For some other counties the lists of ascertained "common" plants are very incomplete, although not wholly blanks ; in example, Cardigan, Flint, West Lancashire, Stirling, etc.

To revert to the marked catalogues and other manuscripts. A list of the exact areas to which they severally relate, with any connected local or personal explanations, must be postponed to the end of the book. At present it may suffice to observe, that the areas of all of them are of course *within* the county or vice-county for which they will be cited. Some of them relate to the whole county or vice-county, while others are restricted to a radius of 3 to 10 miles from some town or other fixed centre. All the catalogues (cat.) are referred to in connexion with the names of the botanists by whom they were marked or made out. Unfortunately, some of the earlier catalogues cannot be used here, because they relate to areas which take in whole counties now treated as two separated vice-counties ; or, because they take a border town as a centre, and thus relate to portions of two adjoining counties or vice-counties not discriminated in them. This is a difficulty which arises also in consulting some printed Floras, such as those of Tonbridge and Yarmouth, in which the advisability of arranging the localities by their counties has been overlooked.

For sake of brevity the surnames only of botanists are printed, very seldom with any prefix of title or designation. The quarter line of available space would necessitate a resort to

this abbreviation in many instances ; hence it is made the rule for all. An occasional inconvenience attends the practice, in cases of the same surname being common to two or more botanists. Generally, when such is the case, the locality will indicate the true personal identity. "Brown cat." for Caithness always intends Dr. Robert Brown, of Campster ; while "Brown sp." connected with Hertford or adjacent counties will signify the late Mr. Isaac Brown, an useful contributor of specimens to the defunct Botanical Society of London. The name of "Hooker sp." for any of the counties bordering on the Clyde, refers to a collection of plants made there by Dr. J. D. Hooker in his early years, and then given to the present compiler ; while "Hooker sp." elsewhere will usually intend his illustrious Father, the late Sir W. J. Hooker. "Warren cat." under Cheshire will mean the Honorable J. B. L. Warren, of Tabley ; while "Warren sp." under Cornwall will mean Miss Warren, late of Flushing. So, the distinction between Mr. J. E. Bowman and Mr. R. B. Bowman, two valued correspondents, is easily made ; the surname of the former being connected with Wales and adjacent counties ; that of the latter botanist, with the provinces of Humber and Tyne.

Again, "Babington" or "Bab." will intend Prof. C. C. Babington ; while "Church. Bab." or "Ch. Bab." will be used for the Rev. Professor Churchill Babington ; whose name, thus in full, would be too long for the space at command. "Mansel-Pleydell," "Boswell-Syme," and other similarly doubled surnames may be cited in full or halved at convenience ; the name still referring to one and the same botanist under the alternative form.

The small Map prefixed to this volume is reduced by the elastic process from the larger one given in preceding works by the same writer. The Nos. prefixed to the names of counties, or substituted for them in the case of plants held introduced or to be excluded, are the same as shown on the map and used in

former works. The lines of separation, which are taken to divide the larger counties into two or (seldom) more vice-counties, cannot be sufficiently made out on the small map; and it may be useful to repeat their description from the fourth volume of the original 'Cybele Britannica,' where it was adapted to the maps of England and Scotland, published under the auspices of the 'Society for the Diffusion of Useful Knowledge.'

"In thus subdividing the counties any natural peculiarities were taken, or even well-marked lines traceable on maps, or findable on the actual ground; such as water-sheds, roads, canals, rivers, &c.—*West* and *East Cornwall* are separated by a line traced along the high road from Truro, through St. Columb, to the inland extremity of Padstow Creek; at the two ends of this line, the salt-water completing the division.—*South* and *North Devon* are separated by an imaginary line, adapted to the water-shed; commencing at the Tamar, about midway between Tavistock and Launceston; passing over the ridge of Dartmoor, and joining the western canal at Tiverton.—*South* and *North Somerset* are separated by a line along the river Parret, from Bridgewater to Ilchester; and thence curving round to the northern extremity of Dorset.—*North* and *South Wilts* are separated by a line drawn along the Kennet and Avon canal.—*South* and *North Hants* are separated by a line traced along the high roads from Winchester westward to Stockbridge, eastward to Petersfield; and continued thence to the borders of Wilts and Sussex.—*West* and *East Sussex* are separated by a line traced along the high road from Brighton to Cuckfield; thence by Crawley to the border of Surrey.—*East* and *West Kent* are separated by the river Medway and its tributaries nearly up to Staplehurst; and thence by the high road through Cranbrooke to the border of Sussex, near Hawkhurst.—*South* and *North Essex* are separated by the high road from Waltham and Epping to Chelmsford, and thence by the Blackwater river to the coast.—*East* and *West Suffolk*, and *East* and *West Norfolk*, are separated by the mathematical line of one east longitude, not a good division because

traceable on maps only, unseen on the ground.—*East* and *West Gloucester* are separated by the Thames and Severn Canal, and by the river Severn from the point of junction up to Tewksbury.—*South* and *North Lincoln* are separated by the Witham river, from Boston to Lincoln; thence by the Foss Dyke to the border of Nottingham.—*South* and *West Lancaster* are separated by the river Ribble. That more northerly portion of Lancashire, which is situate to the north-west of the Bay of Morecambe, is taken with the Lake Province, and treated as a part of Westmoreland.

“The great county of York is first divided into the two sub-provinces of East and West Humber, by the rivers Humber, Ouse, and Wiske. *South-east* and *North-east Yorkshire* are then separated by the political line which divides the East Riding from the rest of the county; that portion of the East Riding situate westward of the Ouse being taken as part of the Mid-west vice-county. *South-west* and *Mid-west Yorkshire* are separated by the Leeds and Liverpool Canal, and by the river Aire below Leeds. *Mid-west* and *North-west* are separated by the political boundary between the North and West Ridings; that boundary being deflected westward so as to pass over Whernside to the south-eastern angle of Westmoreland.—*Cheviotland* is cut off from the more southern part of Northumberland by the river Coquet, and a line continued to Carter Fell from the Linn Bridge. That northerly part of Durham which is situate between Holy Island and the Tweed, is deemed a portion of Cheviotland; having only a nominal connexion with Durham proper, not a geographical one.

“In Scotland, the large county of Perth is divided into three vice-counties. *East Perth* is cut off from *Mid Perth* by the rivers Garry and Tay. *Mid Perth* is separated from *West Perth* by a line traced over the high ground or water-shed so as to divide the tributaries of the Tay from those of the Forth; the little county of Clackmannan and a small detached portion of Stirling being taken as parts of West Perth.—*South* and *North Aberdeen* are

separated by lines traced along the water-sheds eastward and westward of Inverury.—The great county of Inverness is first divided by the line of water-shed between the eastern and western sides of Scotland, continued along Loch Erricht to the border of Perthshire. The easterly portion, with the addition of Nairnshire, forms the large vice-county of *Easternness*. That portion of Inverness, which cuts *Elginshire* into two disjoined parts, is deemed to be a portion of this latter county.—The remainder of Inverness, the waters of which drain to the western coast, along with the detached portion of Argyle which is situate to the north-west of Loch Linhe, makes up the vice-county of *Westernness*.—*Main-Argyle* and *Cantire* are separated by the Crinan Canal. The *Clyde Isles* include Bute and Arran, with Cumbræ and other islets adjacent, between Cantire and Ayr. The Ebudes are islands belonging by political geography to Argyle and Inverness. Here it is convenient to take them as a group apart, subdivisible into three vice-counties. *South Ebudes* include Isla and Jura, with adjacent islets.—*Mid Ebudes* consist of Mull and Coll, with their adjacent islets.—*North Ebudes* include Skye and Rum, also with their adjacent islets.—*East* and *West Ross* are separated by a line traced along the water-shed between the eastern and western coasts; East Ross being considered to include those detached portions of Nairn, situate to the westward of the Murray Firth and Loch Beaully. The fragmentary county of Cromarty may belong to East or West Ross, according to the geographical position of its detached fragments.—*East* and *West Sutherland* are also separated by the line of water-shed; this being so traced as to divide the south-eastern portion of the county from the western and northern.”

The three groups of North Isles, namely, Hebrides, Orkneys, Shetlands, are at once treated as so many sub-provinces and so many counties; and they are numbered accordingly. The other counties of Britain being undivided into vice-counties, their boundaries do not require special explanation here.

COUNTY DISTRIBUTION.

1 Clematis

Vitalba.

- 1 Cornwall west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north. Maw cat.
- 5 Som. south. Southby ms.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 I. Wight! More cat.
- 11 Hants south!
- 12 north! Pamplin ms.
- 13 Sussex west. Borrer cat.
- 14 east.
- 15 Kent east. Smith cat.
- 16 west! Sansom sp.
- 17 Surrey! Eastmond sp.
- 18 Essex south.
- 19 north. Hall sp.
- 20 Herts. Isaac Brown sp.
- 21 Middlesex. Kingsley sp.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Bell sp.
- 26 west. Bell sp.
- 27 Norfolk east. Bell sp.
- 28 west.
- 29 Cambridge. Trevelyan sp.
- 30 Bedford. Leefe ms.
- 31 Hunts. Newbould cat.
- 32 Northton! Chl. Bab. ms.
- 33 Gloster east. Buckman sp.
- 34 west! Rogers sp.
- 35 Monmouth. Gibson ms.

- 36 Hereford. Shawe sp.

- 37 Worcester.

- 38 Warwick. Kirk ms.

- 39 Stafford.

- 40 Salop. Darby ms.

- 41 Glamorgan. Dyke sp.

- 44 Carmarthen? "one plant."

- 45 Pembroke. Bab. cat.

- 46 Cardigan.

(Planted or otherwise introduced in counties 49 50 55

56 58 59 62 63 64 65 66

67 69 77 82 83 85 87).

2 Thalictrum

alpinum.

- 49 Carnarvon! Brent sp.

- 65 York n. west.

- 66 Durham. Winch. ms.

- 69 Westmoreland.

- 70 Cumberland!

- 72 Dumfries.

- 86 Stirling. Hooker sp.

- 88 Perth mid!

- 89 east!

- 90 Forfar!

- 92 Aber. south! Dickie sp.

- 94 Banff. Gordon, Roy, mss.

- 96 Easterness! Gordon ms.

- 97 Westerness!

- 98 Argyle! Church. Bab. ms.

- 99 Dunbarton. Gourlie sp.

- 00 Clyde-isles. Hennedy cat.

- 04 Ebs. north. Lawson cat.

- 05 Ross west.

- 06 east. Stables sp.

- 08 Sutherland west.

- 10 Hebrides.
 11 Orkney. Syme sp.
 12 Shetland. Tate sp.
 [50 57 64].

3 *Thalictrum* minus.

- 1 Cornwall west. Warren sp.
 3 Devon south. Tate sp.
 6 Somer. north. Flower sp.
 19 Essex north.
 20 Herts. Miss Barnard sp.
 26 Suffolk west.
 27 Norfolk east. Clowes sp.
 28 west.
 29 Cambridge. Babington cat.
 34 Gloster west. Thwaites cat.
 37 Worcester.
 40 Salop.
 41 Glamorgan.
 42 Brecon.
 45 Pembroke. Babington cat.
 48 Merioneth. Gibson ms.
 49 Carnarvon! Butler sp.
 50 Denbigh. Bowman cat.
 51 Flint. Whittaker sp.
 52 Anglesea.
 57 Derby! Howitt cat.
 58 Chester. Bowman sp.
 59 Lanc. south.
 60 west.
 62 York n. east. Baker sp.
 63 s. west.
 64 m. west. Baker sp.
 66 Durham. Bowman sp.
 67 Northumb. Storey sp.
 68 Cheviot. Richardson sp.
 69 Westmoreland! Clowes sp.
 70 Cumberland!
 72 Dumfries. Gray cat. co.
 75 Ayr. Duncan cat.
 79 Selkirk.
 80 Roxburgh.
 81 Berwick.
 82 Haddington. Syme sp.
 83 Edinburgh! Balfour cat.

- 84 Linlithgow.
 85 Fife! Brand sp. Syme sp.
 88 Perth mid! Syme sp.
 90 Forfar! Croall sp.
 91 Kincardine. Croall sp.
 92 Aber. south. Syme sp.
 93 north.
 94 Banff.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Ebs. south. Stables sp.
 03 mid.
 06 Ross east. "J. B." sp.
 08 Sutherland west!
 09 Caithness! Brown cat.
 10 Hebrides. Babington ms.
 11 Orkney. Miss Boswell ms.
 Including *T. majus*, Sm.
 [8 24 "flavum," by error].

4 *Thalictrum* flavum.

- 1 *Corn. west.* Cunnack ms.†
 6 Somer. north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. Extinct?
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west.
 14 east.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south. Sansom sp.
 19 north. Varenne cat.
 20 Herts.
 21 Middlesex. Kingsley sp.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east. Cooper sp.
 28 west.

- 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 33 Gloster east.
 34 west. Thwaites sp.
 35 Monmouth. Watkins sp.
 36 Hereford. Purchas cat.
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Lloyd sp.
 41 Glamorgan. Dillwyn ms.
 44 Carmarthen? "Once seen."
 50 Denbigh. Bowman cat.
 52 Anglesea. Rarely.
 54 Lincoln north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester.
 59 Lanc. south. Tudor ms.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west.
 64 m. west. Leefe sp.
 65 n. west.
 66 Durham. Miss Hancock sp.
 67 Northumberland.
 69 Westmoreland. Oliver sp.
 77 Lanark. Hooker sp.
 81 Berwick.
 83 Edinburgh.
 85 Fife. Dewar sp.
 98 Argyle.
 00 Clyde-isles.
 [3 Devon. 109 Caithness.]

5 Anemone**Pulsatilla.**

- 19 Essex north.
 20 Herts. Fordham sp.
 22 Berks. Miss Bell sp.
 23 Oxford.
 26 Suffolk west.
 28 Norfolk west.
 29 Cambridge. Leefe sp.

- 30 Bedford. Foster sp.
 31 Hunts. Berkeley ms.
 32 Northton. Berkeley ms.
 33 Gloster east. Buckman sp.
 53 Linc. south. Bloxam sp.
 55 Rutland. Berkeley ms.
 63 York s. west.
 64 m. west.
 65 n. west.
 [37 E. C. rep. 1862.]

6 Anemone**nemorosa.**

- Counties all, except 51 53 60
 97 102 107 109 to 112.

9 Adonis**autumnalis.**

- 8 Wilts south. Miss Bell sp.
 9 Dorset. Twining sp.
 10 I. Wight. More sp.
 12 Hants north. Macreight sp.
 16 Kent west! Bromfield sp.
 (5 6 7 13 14 17 18 19 21
 to 29 33 34 40 55 57 58
 59 62 64 66 68 75 77
 83; mostly casual).

10 Myosurus**minimus.**

- 3 Devon south. Error?
 7 Wilts north.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. Bell Salter sp.
 11 Hants south.
 12 north.
 13 Sussex west. Borrer ms.
 14 east.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey! Freeman sp.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman sp.
 21 Middlesex.

- 22 Berks. Miss Bell sp.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 27 Norfolk east. Bell sp.
- 28 west. Bell sp.
- 29 Cambridge. Henslow 1837.
- 30 Bedford.
- 32 Northton ?
- 34 Gloster west ?
- 36 Hereford ?
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford.
- 55 Leicester. Bloxam sp.
- 56 Notts.
- 57 Derby.
- 58 Chester. Bowman sp.
- 62 York n. east. Baker cat.
- 64 m. west.
- 65 n. west.
- 66 Durham ? "extinct."
- 67 Northumb. Bowman sp.

**11 Ranunculus
aquatilis.**

Counties all, except 60 86 88
89 97 98 100 101 103
107 108 112. The old ag-
gregate, except as below.

**11 Ranunculus
Drouetii.
"trichophyllus."**

- 3 Devon south. Briggs sp.
- 4 north. "Hiern. hb."
- Wilts. "Hiern. herb."
- 9 Dorset. Pleydell sp.
- 10 Wight. More sp.
- 12 Hants north.
- 13 Sussex west. "Borrer herb."
- 17 Surrey !
- 18 Essex south.
- 19 north. Varenne sp.
- 21 Middlesex. Syme sp.
- 22 Berks.

- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west. "Bab. herb."
- 27 Norfolk east.
- 28 west. "Bab. herb."
- 29 Cambridge. Babington cat.
- 31 Hunts. Newbould cat.
- 34 Gloster west.
- 36 Hereford. "Hiern herb."
- 38 Warwick. Kirk sp.
- 39 Stafford. "Hiern herb."
- 50 Denbigh. "Hiern herb."
- 58 Chester. "Hiern herb."
- 59 Lanc. south. Webb cat.
- 62 York n. east.
- 63 s. west.
- 66 Durham. Baker sp.
- 67 Northumberland.
- 68 Cheviotland.
- 82 Haddington.
- 83 Edinburgh. Syme sp.
- 85 Fife.
- 00 Clyde-isles. Galt sp.
- 09 Caithness.

N.B. Ill understood, and some
of the counties perhaps in-
correctly recorded. [69 111].

**11 Ranunculus
circinatus.**

- 6 Somers. north. Withers sp.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 11 Hants south. Spicer.
- 12 north.
- 13 Sussex east ! Mrs. Jones sp.
- 14 west. Borrer cat.
- 15 Kent east ! Hind sp.
- 16 west.
- 17 Surrey ! Biden sp.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts.
- 21 Middlesex !
- 22 Berks.

- 23 Oxford. Beesley cat.
 24 Bucks. Britten ms.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington sp.
 30 Bedford. Newbould ms.
 31 Hunts!
 32 Northton!
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford. Purchas ms.
 37 Worcester.
 38 Warwick. Bloxam ms.
 39 Stafford. Douglas sp.
 41 Glamorgan.
 53 Lincoln south!
 54 north! Bogg cat.
 55 Leicester. Bloxam sp.
 58 Chester.
 62 York n. east. Baker sp.
 63 s. west. Newbould ms.
 65 n. west? "Ward."
 68 Cheviotland. Tate cat.
 81 Berwick.
 83 Edinburgh. Salter sp.
 85 Fife.
 86 Stirling.
 90 Forfar. Roy, "occurs."
 [3 Devon. 10 Wight].

11 *Ranunculus* fluitans.

- 1 Cornwall west?
 3 Devon south?
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 8 Wilts south? Flower cat.
 9 Dorset. Pleydell cat.
 11 Hants south.
 12 north.
 13 Sussex west. Borrer ms.
 16 Kent west?
 17 Surrey! Newbould sp.
 18 Essex south.

- 19 Essex north.
 20 Herts.
 21 Middx. Newbould sp.
 22 Berks.
 23 Oxford.
 24 Bucks. Britten cat.
 26 Suffolk west. "Bab. herb."
 28 Norfolk west. "Bab. herb."
 29 Cambridge. "Hiern. herb."
 30 Bedford.
 33 Gloster east. Prentice cat.
 34 west. Thwaites sp.
 35 Monmouth. Watkins sp.
 36 Hereford. Purchas cat.
 37 Woster. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 44 Carmarthen. Motley ms.
 52 Anglesea.
 55 Leicester. Bloxam sp.
 57 Derby. "Bab. herb."
 59 Lanc. south. "Dugdale."
 62 York n. east. Baker sp.
 65 n. west. Ward sp.
 66 Durham.
 67 Northumb. Makepeace sp.
 68 Cheviotland. Tate cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 81 Berwick. Syme sp.
 [10 Wight. 85 Fife]. And
 perhaps in some other coun-
 ties the "pseudo-fluitans" is
 the plant intended.

11 *Ranunculus* tripartitus.

R. intermedius, Hiern.

- 1 Cornwall west. Westcombe!
 9 Dorset. "Borrer ms."
 11 Hants south!
 16 Kent west. "W. Reeves ms."
 17 Surrey!
 45 Pembroke. Bab. sp.
 [83 Edinburgh].

12 Ranunculus**Lenormandi.**

- 2 Cornwall east. Briggs cat.
 3 Devon south. Keys sp.
 4 north. "Hiern. herb."
 5 Som. south. Coleman cat.
 6 north. Withers ms.
 8 Wilts south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More sp.
 11 Hants south!
 12 north!
 13 Sussex west. Borrer cat.
 16 Kent west. "Bab. herb."
 17 Surrey!
 22 Berks!
 25 Suffolk east? Skepper ms.
 35 Monmouth. Hort sp.
 38 Warwick. Kirk cat.
 39 Stafford. Babington ms.
 41 Glamorgan. Barnard ms.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Atwood sp.
 47 Montgomery.
 48 Merioneth.
 49 Carnarvon. "Bab. herb."
 55 Leicester. Purchas sp.
 58 Chester. Warren sp.
 59 Lanc. south. Goodlad sp.
 60 west. "Hiern herb."
 63 York s. west. Newb. ms.
 64 m. west.
 65 n. west. Baker sp.
 67 Northumberland.
 69 Westmoreland!
 70 Cumberland! Hort sp.
 72 Dumfries.
 76 Renfrew. Henney cat.
 77 Lanark. Gourlie sp.
 00 Clyde isles. Galt ms.
 [19 North Essex]. Distri-
 bution incompletely known.

13 Ranunculus**hederaceus.**

Counties all, except 26 31 51
 53 86 88 89 97 104 108
 111 112.

14 Ranunculus**Ficaria.**

Counties all, except 46 51 53
 60 69 86 88 89 97 98 101
 102 104 107 108 110; in
 all of which it most likely
 does occur.

15 Ranunculus**Flammula.**

Counties all, except 86 100;
 in which doubtless it does
 occur, and also in the nine
 vacant counties, named on
 page 20.

15 Ranunculus**reptans.**

85 Kinross. Boswell Syme sp.
 N.B. The "pseudo-reptans"
 has been misreported for
 true reptans in many coun-
 ties. Specimens sent from
 Coniston (no. 69) by Mr.
 A. G. More, closely resemble
 those from Kinross; but
 they are too young to show
 the form of the achenes
 clearly, so that some uncer-
 tainty attaches to them.

16 Ranunculus**Lingua.**

- 1 Cornwall west. Cunnack cat.
 3 Devon south. "E. Parfitt."
 4 north?
 5 Somerset south?
 6 north.
 7 Wilts north. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight!
 11 Hants south. Pamplin ms.

12 Hants north.
 13 Sussex west.
 14 east.
 15 Kent east. Stevens sp.
 16 west.
 19 Essex north.
 20 Herts. T. B. Blow cat.
 21 Middlesex ?
 22 Berks.
 23 Oxford.
 24 Bucks.
 25 Suffolk east.
 26 west. Wallis sp.
 27 Norfolk east. Paget sp.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Bree sp.
 32 Northton.
 36 Hereford.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Bodenham sp.
 41 Glamorgan. Gutch sp.
 42 Brecon.
 43 Radnor.
 45 Pembroke. Babington cat.
 48 Merioneth. Bowman ms.
 51 Flint ?
 52 Anglesea.
 54 Lincoln north !
 55 Leicester. Bloxam ms.
 56 Notts ?
 57 Derby ?
 58 Chester. Warren cat.
 59 Lanc. south. Tudor ms.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Denny ms.
 64 m. west.
 65 n. west.
 66 Durham. Bowman sp.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland.
 70 Cumberland.

72 Dumfries. Gray cat.
 73 Kirkeudbright ?
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 83 Edinburgh ! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. Boswell Syme sp.
 87 Perth west.
 88 mid ? "Loch Earn."
 90 Forfar. Croall sp.
 92 Aber. south. Dickie cat.
 93 north. Dickie sp.
 95 Elgin. Gordon cat.
 [21 37 49 111].

18 Ranunculus

auricomus.

1 Cornwall west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north ?
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight ! More cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey !
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Harris sp.
 21 Middlesex. Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock sp.
 26 west.

27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 54 west. Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 50 Denbigh! Bowman cat.
 52 Anglesea.
 54 Lincoln north. Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Rylands sp.
 59 Lanc. south. Goodlad herb.
 60 west. Simpson sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west.
 64 m. west. Simpson sp.
 65 n. west. Ward cat.
 66 Durham. Storey sp.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 69 Westmoreland.
 70 Cumberland! Baker cat.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh.
 81 Berwick. Embleton sp.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 85 Fife.
 86 Stirling.
 87 Perth west. Syme cat.
 88 mid. Worsley cat.
 90 Forfar.

91 Kincardine. Syme cat.
 92 Aber. south! Dickie sp.
 93 north.
 96 Easterness. Stables sp.
 99 Dumbarton.

19 Ranunculus acris.

Counties all, except the nine named on page 20.

20 Ranunculus repens.

Counties all, except the nine named on page 20.

21 Ranunculus bulbosus.

Counties all, except the nine, and 53 60 69 84 86 97 98 101 104 106 107 108 110 (111) 112.

22 Ranunculus hirsutus.

1 Cornwall west. Cunnack cat.
 2 east. Briggs sp.†
 3 Devon south. Henfrey sp.
 5 Som. south. Coleman cat.
 6 north.
 7 Wilts north. Flower cat.
 8 south.
 9 Dorset. Pleydell cat.
 10 Wight! Bell Salter sp.
 11 Hants south! Notcutt cat.
 13 Sussex west. Borrer cat.
 14 east! Coleman cat.
 15 Kent east. Smith cat.
 16 west. Syme sp.
 17 Surrey! Brewer sp.
 18 Essex south.
 19 north. Varenne sp.
 20 Herts.
 21 Middx. Warren sp.
 22 Berks.
 23 Oxford. Beesley cat.

25 Suffolk east. Paget sp.
 26 west.
 27 Norfolk east. Stock ms.
 28 west. Bell sp.
 29 Cambridge.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Noteutt cat.
 34 Gloster west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas ms.
 37 Worcester. Buckman sp.
 39 Stafford.
 40 Salop. Bodenham sp.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke ?
 46 Cardigan. Atwood sp.
 47 Montgomery. Bowman sp.
 48 Merioneth. Bowman ms.
 49 Carnarvon.
 50 Denbigh. Bowman ms.
 54 Lincoln north !
 55 Leicester. Bloxam sp.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester.
 59 Lanc. south !
 62 York n. east. Baker cat.
 64 m. west. Tatham cat.
 66 *Durham*. "ballast hills."
 67 *Northumb.* "ballast hills."
 68 Cheviotland. Tate ms.
 69 Westmoreland.
 70 Cumberland.
 77 Lanark. Henedy cat.
 83 Edinburgh.
 84 Linlithgow.
 85 Fife. Dewar sp. Syme cat.†
 86 Stirling.
 87 Perth west. Balfour sp.
 88 mid.
 89 east.
 90 Forfar.
 98 Argyle.
 N.B. Scarcely more than a

casual plant northward of
Yorkshire.

23 *Ranunculus* *sceleratus*.

Counties all, except 46 49 60
71 73 86 88 89 97 98
104 107 108 111 112;
and likely to occur in all of
these, unless the two last.

24 *Ranunculus* *parviflorus*.

1 Cornwall west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south ! Briggs cat.
 4 north ! Maw cat.
 5 Som. south. Trevelyan sp.
 6 north.
 7 Wilts north. Flower cat.
 8 south.
 9 Dorset. Pleydell cat.
 10 Wight ! More cat.
 11 Hants south. Bromf. sp.
 12 north. Pamplin ms.
 13 Sussex west.
 14 east.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey. Syme sp.
 18 Essex south.
 19 north. Wallis sp.
 20 Herts. Brown sp.
 21 Middx. Kingsley sp.
 22 Berks.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Coleman ms.
 26 west.
 27 Norfolk east. Bell sp.
 28 west. Bell sp.
 29 Cambridge. Douglas sp.
 30 Bedford.
 33 Gloster east.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.

36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Leefe cat.
 39 Stafford.
 40 Salop. Tudor sp.
 44 Carmarthen.
 45 Pembroke.
 47 Montgom. Bowman ms.
 49 Carnarvon! J. Ball ms.
 50 Denbigh. Bowman cat.
 51 Flint. Rev. J. Harris sp.
 52 Anglesea.
 53 Linc. south.
 54 north. Thompson ms.
 55 Leicester. Bloxam sp.
 56 Notts.
 58 Chester.
 59 Lanc. south.
 62 York n. east. Foggitt sp.
 65 n. west?
 66 Durham.

25 *Ranunculus arvensis*.

1 Cornwall west?
 2 east. Briggs cat.†
 3 Devon south. Briggs cat.†
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south. Notcutt cat.
 12 north!
 13 Sussex east. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey! Biden sp.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middx. Hind cat.
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.

24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norf. east.
 28 west. G. Cooper sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Bodenham sp.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 47 Montgom. Bowman ms.
 50 Denbigh.
 53 Lincoln south!
 54 north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester!
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Paine sp.
 66 Durham. Bowman sp.
 67 Northumb. Bowman sp.
 68 Cheviotland.
 70 Cumberland. Baker cat.
 75 Ayr. Duncan cat.
 77 Lanark. Hennedy cat.†
 81 Berwick.
 82 Haddington. Balfour ms.†
 83 Edinburgh. Macnab sp.
 [111 Orkney]. (85).

26 *Caltha*

palustris.

Counties all, except 46 60 86

98 and the usual nine; in all of which it is sure to be found if looked for. *C. Guerangeri* occurs in Surrey, Chester, York, and probably elsewhere.

27 Trollius europæus.

- 35 Monmouth. Conway ms.
- 36 Hereford. Purchas flo.†
- 37 Worcester ?
- 39 Stafford.
- 40 Salop. Leighton ms.
- 41 Glamorgan.
- 42 Brecon. Moggridge sp.
- 43 Radnor. Westcombe ms.
- 46 Cardigan. Atwood ms.
- 47 Montgomery. Lees ms.
- 48 Merioneth. Poole ms.
- 49 Carnarvon ! Bowman ms.
- 50 Denbigh.
- 57 Derby !
- 58 Chester ?
- 59 Lanc. south. Goodlad hb.
- 62 York n. east. Baker cat.
- 63 s. west. Leyland sp.
- 64 m. west. Tatham sp.
- 65 n. west. Simpson sp.
- 66 Durham. Norman cat.
- 67 Northumb. Miss Bell sp.
- 68 Cheviot. Embleton sp.
- 69 Westmorland !
- 70 Cumberland ! Baker.
- 72 Dumfries. Gray cat.
- 73 Kirkcudb. Gray cat.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Henedy cat.
- 77 Lanark. G. Cooper sp.
- 80 Roxburgh. Duncan cat.
- 81 Berwick.
- 83 Edinburgh ! Balfour cat.
- 84 Linlithgow. Balfour cat.
- 85 Fife. Syme cat.
- 86 Stirling.
- 87 Perth west. Syme cat.

- 88 Perth mid !
- 89 east ! Gibson ms.
- 90 Forfar !
- 91 Kinc. Miss Boswell ms.
- 92 Aber. south ! Dickie cat.
- 93 north. Dickie flo.
- 94 Banff.
- 95 Elgin. Gordon cat.
- 96 Easternness ! Stables cat.
- 97 Westernness !
- 98 Argyle.
- 99 Dumbarton ! Hooker sp.
- 00 Clyde isles. Henedy cat.
- 01 Cantire. Balfour cat.
- 04 Skye. Lawson cat.
- 06 Ross east. Gordon ms.
- 08 Suth. west !
- 09 Caithness. Brown cat.
- 12 Orkney. One locality.
[2 East Cornwall].

29 Helleborus viridis.

- 6 Som. north. Winch sp.
- 9 Dorset. Trevelyan sp.
- 11 Hants south. Borrer ms.
- 12 north. Weaver ms.
- 13 Sussex west. Borrer ms.
- 14 east. Borrer.†
- 15 Kent east. "native."
- 17 Surrey. Brewer sp.
- 18 Essex south. "native."
- 19 north. Wallis sp.
- 20 Herts. "really wild."
- 24 Bucks. Britten cat.
- 33 Gloster east. Roberts ms.
- 34 west. Babington.
- 60 Lanc. west. "native."
- 62 York n. east. "native."
- 63 s. west. Smith sp.
- 64 m. west. "native."
- 65 n. west. "native."
- 66 Durham. "denizen."
- 67 Northumb. "denizen."
- 69 West. "apparently native."
- N.B. The above counties are

selected as being those in which the wildness of the plant is best attested. Reported also for 1 2 3 7 8 10 21 22 23 24 25 26 27 28 29 30 32 36 37 38 39 40 41 45 50 56 57 68 70 75 81 83 85 91 92; in all with distrust of its true nativity, or on unsafe authority only).

30 *Helleborus foetidus*.

- 11 Hants south. "wild."
 12 north.
 13 Sussex west.
 17 Surrey. Brewer sp.
 18 Essex south. "A true
 19 north. native."
 33 Gloster east. "native."
 36 Hereford. "native."
 62 York n. east. "denizen."
 64 m. west. Tatham sp.
 66 Durham. "denizen."
 67 Northumb. "denizen."
 N.B. Less decidedly certified as a native plant, than is the other species. (Reported in 2 3 6 7 8 9 10 16 20 22 to 30 32 34 37 38 39 40 41 50 52 55 57 61 63 68 69 70 75 77 80 82 83 85 92; in most of these counties it is given simply as an escape from cultivation, or with the evident object of swelling out the length of local lists).

31 *Aquilegia vulgaris*.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Wakefield sp.

- 5 Som. south. Coleman cat.†
 6 north. Thwaites cat.
 7 Wilts south. Flower cat.
 8 north. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight.
 11 Hants south.
 12 north. Spicer ms.
 13 Sussex west. "many loc."
 14 east. Coleman cat.†
 15 Kent east. Smith cat.
 16 west!
 17 Surrey. Holman sp.
 20 Herts.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 27 Norfolk east. Stock cat.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Berkeley ms.
 33 Gloster east?
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester. Reeve sp.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton ms.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 48 Merioneth. Pamplin ms.
 49 Carnarvon! Winch ms.
 50 Denbigh! Bowman ms.
 52 Anglesea.
 56 Notts?
 57 Derby. Howitt cat.
 58 Chester?
 62 York n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Tatham sp.
 65 n. west. Ward sp.
 66 Durham. "native."
 67 Northumb. "native."

69 Westmoreland.
 70 Cumberland! Baker cat.
 72 Dumfries. "wild."
 (Also in 18 19 [21] 25 26
 54 55 68 71 75 77 83
 84 85 86 87 90 91 92
 95 96 102 109).

33 Aconitum Napellus.

5 Som. south. Crotch sp.
 9 Dorset. Bower to Crotch sp.
 35 Monmouth. wild; Hort.
 36 Heref. indigenous; Newm.
 50 Denb. wild; Bowman.
 (Reported also in 1 3 4 10
 12 17 19 20 21 23 24
 27 28 33 37 38 39 40
 41 55 61 62 64 65 67
 76 77 81 83 85 86 105).

34 Actæa spicata.

62 York n. east. Baker sp.
 63 s. west. Denny sp.
 64 m. west. Tatham sp.
 65 n. west. Bowman sp.
 69 Westmor. Dr. Lees 1870.
 [18 61 66 70 85].

35 Berberis vulgaris.

1 Corn. west. Cunnack cat.†
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north. Maw cat.†
 6 Som. north. Bath flo.†
 7 Wilts north. "indigenous."
 8 south. Flower cat.*
 9 Dorset. Pleydell cat.
 10 Wight. More supp.*
 12 Hants north. Bromf.†
 13 or 14 Sussex. Hemsley.†
 16 Kent west. "not wild."
 17 Surrey. casual in hedges.
 18 Essex south. Gibson flo.

19 Essex north. Gibson flo.
 20 Herts. Coleman cat.
 21 Midx. Reynolds sp.
 22 Berks. Walker flo.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Skepper flo.
 26 west. Skepper flo.
 27 Norfolk east. Trim. flo.
 28 west. Trim. flo.
 29 Cambridge. Babington flo.
 30 Bedford. Fordham sp.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west. Bath flo.*
 35 Monmouth. Gissing.
 36 Hereford. Purchas flo.*
 37 Woster. Lees bot.
 38 Warwick. Kirk cat.
 39 Stafford. "really wild."
 40 Salop. Leighton cat.
 50 Denbigh. Bowman cat.†
 54 Lincoln north. Bogg cat.
 55 Leicester. Kirby flo.
 56 Notts. Howitt flo.
 57 Derby. Howitt cat.
 58 Chester. Lpool. flo.*
 59 Lanc. south. Dick. flo.*
 61 York s. east. authority?
 62 n. east. Baker cat.
 63 s. west. Lees cat.†
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. "denizen."
 67 Northumb. "denizen."
 68 Cheviot. "denizen."
 69 Westmor. Balfour.
 70 Cumber. Baker ms.*
 72 Dumfries. Gray cat.
 73 Kirkcud. Gray cat.
 75 Ayr. Botany of Ayr.
 76 Renfrew. Hennedy cat.†
 77 Lanark. Clydesdale flo.
 80 Roxburgh. Duncan cat.
 81 Berwick. Border flo.*
 83 Edinburgh. Balfour cat.

- 84 Linlithgow. Balfour cat.
- 85 Fife. Balf. flo. Lawson.†
- 87 Perth west. Syme cat.†
- 88 mid. Arnott.
- 89 east. "not wild."
- 90 Forfar. Gardiner flo.*
- 91 Kincardine.
- 92 Aber. south. Dickie cat.*
- 95 Elgin. Gordon cat.*
- 00 Clyde isles. Henedy cat.†
- 01 Cantire. Balfour cat.
- 09 Caithness. Brown cat.

N.B. A departure from the usual method is made in this case of the Berbery, so difficult to decide on its indigenous claims. Authorities are cited throughout, either manuscript or printed. The sign * indicates that the cited authority treats the shrub as certainly introduced; the sign † indicates less positive decision against nativity.

36 Nymphæa

alba.

- 1 Cornw. west! Cunnaek cat.
- 2 east. Pascoe cat.
- 6 Somerset north?
- 9 Dorset. Pleydell cat.
- 11 Hants south! Adams sp.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey!
- 20 Herts.
- 21 Middlesex! Harris.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east. Paget sp.

- 28 Norfolk west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts?
- 37 Worcester. "very rare."
- 38 Warwick. Kirk cat.
- 39 Stafford! Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Dyke sp.
- 42 Brecon. Lees ms.
- 43 Radnor.
- 44 Carmarthen. Motley cat.
- 48 Merioneth.
- 52 Anglesea.
- 55 Leicester. Bloxam cat.†
- 56 Notts.
- 57 Derby. Howitt cat.
- 58 Chester! Warren cat.
- 59 Lanc. south. Webb cat.
- 60 west!
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 67 Northumb. Oliver sp.
- 69 Westmoreland.
- 70 Cumberland! Baker cat.
- 72 Dumfries. Gray cat.
- 73 Kirkcud. Gray cat.
- 75 Ayr. Montgomery ms.
- 76 Renfrew. Henedy cat.
- 77 Lanark. Hooker sp.
- 83 Edinburgh. Balfour cat.
- 85 Fife. G. Lawson ms.
- 87 Perth west.
- 90 Forfar.
- 91 Kincardine. Syme cat.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 95 Elgin. Gordon cat.
- 96 Easterness. Brand sp.
- 99 Dumbarton.
- 00 Clyde-isles. Henedy cat.
- 02 Eb. south. Balfour cat.
- 04 north. Lawson cat.
- 06 Ross east. Gordon cat.

- 08 Suth. west!
 10 Hebrides.
 12 Shetland. "one locality."
 (Also reported as introduced
 or uncertainly wild in 3 7
 8 10 18 19 34 35 65 68
 81 109).

37 Nuphar lutea.

- 1 Corn. west? Gibson ms.
 3 Devon south.
 6 Som. north!
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 11 Hants south!
 12 north!
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.†
 15 Kent east! Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east. Paget sp.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton!
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
- 42 Brecon.
 44 Carmarthen. Motley cat.
 45 Pembroke.
 46 Cardigan.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 53 Linc. south!
 54 north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south! Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west.
 66 Durham. Norman cat.
 67 Northumb. Bowman sp.
 68 Cheviotland. Tate cat.
 69 Westmoreland.
 70 Cumberland! Baker cat.
 72 Dumfries. Gray cat.
 73 Kirkcud. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh.
 81 Berwick. Hugh Balf. sp.
 82 Haddington.
 83 Edinburgh.
 85 Fife. Brand sp. Syme.
 90 Forfar.
 91 Kincardine.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 95 Elgin. Gordon cat.†
 99 Dumbarton.
 00 Clyde-isles. Hennedy cat.
 02 Eb. south. Balfour cat.
 N.B. A variation, with few
 rays to the stigma is
 confused with *N. pumila*.
 It occurs either in 32 or
 56, and in either 67 or 68;

possibly also in 40 and 58.

38 *Nymphaea* *pumila*.

- 40 Salop? E. C. rep. 1858.
58 Chester? Robinson lre.
86 Stirling. Clyde flo.
87 Perth west. Christie sp.
91 Kincardine. Dickie bot. g.
92 Aber. south. D. b. g.
95 Elgin. Gordon sp.
96 Easternness. "White."
98 Argyle. "Borrer," etc.
[9 29 32 56 67 or 68 77].

39 *Papaver* *hybridum*.

- 1 Corn. west. Bailey ms.
2 east. Briggs cat.†
3 Devon south! Briggs cat.†
4 north. Maw cat.
6 Som. north. Collins ms.
7 Wilts north.
8 south. Flower cat.
9 Dorset. Pleydell cat.
10 Wight. Bromfield sp.
11 Hants south.
12 north.
13 Sussex west! Borrer cat.
14 east! Mrs Jones sp.
15 Kent east. Cooper sp.
16 west!
17 Surrey! Salmon sp.
18 Essex south.
19 north. Christy sp.
20 Herts. Fordham sp.
22 Berks.
23 Oxford.
25 Suffolk east.
26 west.
27 Norf. east.
28 west. Miss Bell sp.
29 Cambridge. Coleman ms.
30 Bedford.
31 Hunts. Newbould cat.
32 Northton. Berkeley ms.

- 33 Gloster east. Lees, 1843.
36 Hereford. "Wilmott."
37 Worcester.
49 Carnarvon. Bowman sp.
51 Flint?
55 Leicester. "Miss Adams!"
59 Lanc. south. Ex. club. sp.
66 Durham. Bowman sp.
(61 62 63 68, extinct?)

40 *Papaver* *Argemone*.

- 1 Corn. west! Cunnack cat.
2 east. Briggs cat.†
3 Devon south. Hore sp.
4 north. Maw cat.
6 Som. north.
7 Wilts north. Flower cat.
8 south. Flower cat.
9 Dorset. Pleydell cat.
10 Wight. Martin sp.
11 Hants south.
12 north!
13 Sussex west. Borrer cat.
14 east!
15 Kent east! Smith cat.
16 west.
17 Surrey!
18 Essex south.
19 north. Varenne cat.
20 Herts. Miss Twining sp.
21 Middlesex!
22 Berks.
23 Oxford.
24 Bucks. Britten cat.
25 Suffolk east.
26 west.
27 Norf. east. Stock cat.
28 west. G. Cooper sp.
29 Cambridge. Babington cat.
30 Bedford.
31 Hunts. Newbould cat.
32 Northton. Noteutt cat.
33 Gloster east. Prentice cat.
34 west. Thwaites cat.
36 Hereford. Purchas cat.

37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 53 Lincoln south!
 54 north!
 55 Leicester. Ch. Bab. sp.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.†
 64 m. west.
 65 n. west. Ward cat.
 66 Durham. Storey sp.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 69 Westmoreland.
 71 I. Man. Forbes cat.
 75 Ayr. Duncan cat.
 77 Lanark. Henedy cat.†
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Maclagan sp.
 85 Fife. Syme cat.
 89 Perth east!
 90 Forfar.
 91 Kincardine.
 92 Aber. south?
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness! Stables cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 06 Ross east. Gordon cat.
 10 Hebrides.

41 Papaver**dubium.**

Counties all, except 35 46 51
 60 70 71 73 86 97 98
 99 104 108 109; in all of
 which it is very likely to
 occur. The counties for the
 two segregates cannot be
 satisfactorily made out.

42 Papaver**Rhoeas.**

Counties all, except 46 49 60
 70 71 72 73 86 88 89
 95. In 92 93 94 it is
 marked by Professor Dickie
 as a plant probably intro-
 duced; and beyond 94
 (Banff) there is no autho-
 rity except for 109 111 112,
 into which this common
 southern poppy is probably
 carried with agricultural
 seeds.

44 Meconopsis**cambrica.**

2 Cornwall east.
 3 Devon south.
 4 north! Maw cat.†
 5 Som. south. Coleman cat.
 6 north. Thwaites sp.
 41 Glamorgan.
 42 Brecon. Moggridge sp.
 43 Radnor.
 47 Montgomery.
 48 Merioneth. Butler sp.
 49 Carnarvon! Winch.
 50 Denbigh?
 64 York m.w. Tatham, "wild."
 (9 21 59 60 61 62 63
 65 69 70 72 75 83 85
 90 92 95). This poppy
 readily establishes itself as
 a weed about houses and
 gardens; and hence it has

become seemingly wild in several counties; possibly it may be really wild in Westmoreland 69.

45 *Chelidonium majus*.

Counties 1 to 96, with very few exceptions, have all been reported for this plant, but usually as one at best doubtfully indigenous.

46 *Glaucium luteum*.

- 1 Corn. west! Cunnack cat.
- 2 east. Pascoe sp.
- 3 Devon south. Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! Miss Twining sp.
- 11 Hants south! Notcutt cat.
- 13 Sussex west! Warner sp.
- 14 east?
- 15 Kent east! Stevens sp.
- 18 Essex south. Varenne ms.
- 19 north. Skepper ms.
- 25 Suffolk east. Purchas cat.
- 27 Norfolk east. Paget sp.
- 28 west. Bell sp.
- 34 Gloster west. Cooper sp.
- 35 Monmouth. Conway ms.†
- 41 Glamorgan. Dyke sp.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Atwood ms.
- 49 Carnarvon. Howitt sp.
- 50 Denbigh. Bowman cat.
- 52 Anglesea.
- 58 Chester! Warren cat.
- 59 Lanc. south!
- 60 west. Syme sp.
- 61 York s. east.
- 62 n. east.
- 69 Westmoreland.

- 70 Cumberland.
- 72 Dumfries.
- 73 Kirkeudbright.
- 74 Wigton. Balfour sp.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Montgomery cat.
- 81 Berw. Hugh Balfour sp.
- 82 Haddington.
- 84 Linlithgow.
- 85 Fife. Balfour sp.
- 91 Kincardine.
- 98 Argyle. Hooker sp.
- 99 Dunbarton!
- 00 Clyde-isles. Hennedy cat.
- 12 *Shetland*. One locality.
(21 37 66 67 80 95).

48 *Corydalis claviculata*.

- 1 Corn. west.
- 2 east. Pascoe cat.
- 3 Devon south! Briggs cat.
- 4 north.
- 5 Som. south. Coleman cat.
- 6 north.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south. Bromf. ms.
- 13 Sussex west. Baker ms.
- 14 east.
- 15 Kent east. Smith cat.
- 16 west. Berkeley ms.
- 17 Surrey!
- 18 Essex south. Freeman sp.
- 19 north.
- 22 Berks.
- 26 Suff. west. Coleman ms.
- 27 Norf. east. Cooper sp.
- 28 west. Miss Bell ms.
- 35 Monmouth. Conway sp.
- 36 Hereford. "Wilmott."
- 37 Worcester? Lees sp.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton ms.
- 42 Brecon.

- 46 Cardigan.
 47 Montgomery.
 48 Merioneth.
 49 Carnarvon ! Bowman ms.
 50 Denbigh.
 51 Flint.
 52 Anglesea.
 55 Leicester. Bloxam sp.
 57 Derby ! Bowman ms.
 58 Chester. Warren cat.
 59 Lanc. south. Goodlad hb.
 61 York s. east. Carpenter sp.
 62 n. east. Baker cat.
 63 s. west. Leyland sp.
 64 m. west. Tatham cat.
 65 n. west. Ward ms.
 66 Durham. Storey sp.
 67 Northumb. Bowman sp.
 68 Cheviot. Embleton sp.
 69 Westmoreland.
 70 Cumberland ! Baker ms.
 72 Dumf. Cruickshank sp.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renf. Montgomery cat.
 81 Berwick.
 83 Edinburgh. Balfour cat.
 85 Fife.
 86 Stirling.
 87 Perth west ! Syme cat.
 88 mid ! Worsley cat.
 90 Forfar ?
 91 Kincardine. Syme cat.
 92 Aber. south ! Dickie cat.
 93 north. Dickie flo.
 94 Banff. Gordon ms.
 95 Elgin. Gordon cat.
 96 Easterness. Stables sp.
 98 Argyle.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Henedy sp.
 01 Cantire. Balfour cat.
 04 Eb. north. Lawson cat.
 06 Ross east. Gordon cat.
 [21 Middlesex. extinct, if
 ever found].

50 *Fumaria**capreolata.*

Counties all, except 6 14 16
 26 30 32 51 53 60 71
 89 97 98 99 104 106 107
 109 112.

N.B. This is the aggregate species, long treated as a single integrate species in our botanical books ; more recently divided into four segregates, which are yet very imperfectly distinguished by collectors ; their reported counties, cited underneath, are to be received with caution.

*Fumaria**pallidiflora.*

- 1 Corn. west. "Once seen."
 3 Devon south. Babington.
 4 north. Babington.
 5 Som. south. Syme.
 9 Dorset. Mansel-Pleydell.
 10 Wight. "Hambrough."
 21 Middlesex.
 34 Gloster west ?
 40 Salop. Babington.
 41 Glamorgan. Babington.
 49 Carnarvon. Babington.
 58 Chester.
 59 Lanc. south.
 62 York n. east. Baker.
 66 Durham. New flo N.D.
 70 Cumberland. Baker.
 08 *Sutherland !*

*Fumaria**Boræi.*

- 5 Som. south ?
 10 Wight ?
 21 Middlesex.
 24 Bucks.
 40 Salop. Babington.
 45 Pembroke. Babington.

- 58 Chester.
 62 York n. east. Baker.
 65 n. west. Baker.
 66 Durham. "Norman."
 67 Northumberland. Baker.
 69 Westmoreland. "Bab."
 70 Cumberland. Baker.
 76 Renfrew. Hennedy.
 77 Lanark. Hennedy.
 82 Haddington. Syme.
 85 Fife. Boswell Syme.
 11 Orkney. Boswell Syme.
 N.B. Habitats confused with
 those of "pallidiflora."

Fumaria
confusa.
"agraria."

- 1 Corn. west. Babington.
 2 east.
 3 Devon south.
 4 north. Babington.
 9 Dorset. Mansell-Pleydell.
 10 Wight. More. "Bab. herb."
 17 Surrey! Syme.
 45 Pembroke. Babington.
 46 Cardigan. Babington.
 49 Carnarvon. Babington.
 52 Anglesea. Babington.
 58 Chester. Eng. bot. ed. 3.
 59 Lanc. south.
 62 York. n. east. Baker†
 63 s. west.
 69 Westmoreland. Babington.

Fumaria
muralis.

- 3 Devon south. Tate 1871.
 5 Som. south. Syme.
 10 Wight. More. E.B. 3.
 11 Hants south!
 17 Surrey. Babington.
 21 Middlesex.
 29 Cambridge. Babington ms.
 34 Gloster west.
 38 Warwick. Bloxam ms.

- 40 Salop. Babington.
 50 Denbigh. Babington.
 58 Chester.
 63 York s. west. Newb. Bab.
 64 m. west. Baker.
 66 Durham.
 86 Stirling.

N.B. Habitats inextricably confused in books with those of "confusa." For this and the preceding three segregates the few botanists cited are to be understood as those who have either collected the plant or only so named the specimens collected by others; the "sp." being omitted by the compiler, as not caring to certify their names on dried specimens only; his own notes of past years recognizing only the aggregate "capreolata."

51 Fumaria
officinalis.

Counties all, except 49 51 53
 98 101 102 104 107 110;
 in all of which it likely
 occurs, at least as a colonist.

52 Fumaria
micrantha.

- 8 Wilts south. Flower sp.
 9 Dorset. Pleydell sp.
 13 Sussex west!
 4 east. "Mitten."
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 19 Essex north. "alien."
 20 Herts.
 21 Middlesex.
 28 Norfolk west.
 29 Cambridge. Bab. sp.†
 30 Bedford. Newbould ms.

- 34 Gloster west. Withers ms.
 36 Hereford. "E. Davies!"
 40 Salop. Babington sp.
 55 Leicester.
 56 Durham. "ballast hills."
 68 Cheviotland. Tate sp.
 80 Roxburgh.
 82 Haddington. Syme ms.
 83 Edinburgh. Brand sp.
 84 Linlithgow. Syme E.B.3.
 85 Fife. Syme sp.
 88 Perth mid.
 90 Forfar. Carnegie sp.
 95 Elgin. "Dr. Innes."
 [10 Wight. 112 Shetland.]

53 *Fumaria* *parviflora.*

- 15 Kent east.
 16 west. Syme sp.
 17 Surrey!
 19 Essex north. Gibson sp.
 20 Herts. Miss Barnard sp.
 25 Suffolk east?
 26 west. Bunbury sp.
 27 Norfolk east.
 29 Cambridge. Hort sp.
 33 or 34 Gloster. E.C.rep.1864.
 62 York n. east. Bean sp.
 82 Haddington. Balfour cat.
 83 Edinburgh.
 87 Perth west.
 [Very uncertain in 3 4 9 90
 95 96 109 112; errors in
 some, casual in others?].

54 *Fumaria* *Vaillantii.*

- 15 Kent east. Henslow.
 16 west. Syme.
 17 Surrey! Syme.
 19 Essex north. Gibson sp.
 20 Herts. Webb flora.
 29 Cambridge. Bab. sp.
 30 Bedford. Newbould.
 31 Hunts. Newbould, "rare."

- 62 York n. east. "Vetch-field."
 66 Durham. "ballast hills."
 [Reported also in 3 12 26
 33 or 34 83 112; either in-
 troduced or errors?].

55 *Cakile* *maritima.*

- 1 Corn. west! Cunnack cat.
 2 east. Pascoe cat.
 3 Devon south. Twining sp.
 4 north. Maw cat.
 5 Som. south. Collins ms.
 6 north. Crotch sp.
 9 Dorset. Twining sp.
 10 Wight! More cat.
 11 Hants south.
 13 Sussex west.
 15 Kent east. Smith cat.
 18 Essex south
 19 north. Skepper ms.
 25 Suffolk east. Purchas ms.
 27 Norf. east.
 28 west. Cooper sp.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Purchas ms.
 48 Merioneth. Butler sp.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 54 Lincoln north. Bogg cat.
 58 Chester! Warren cat.
 59 Lanc. south! Ch. Bab. ms.
 60 west.
 61 York s. east.
 62 'n. east. Baker cat.
 66 Durham. Storey sp.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland.
 70 Cumberland.
 71 Man. Forbes cat.
 73 Kirkcudbright.
 75 Ayr. Hooker sp.

- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh! Balfour cat.
- 85 Fife. Syme sp.
- 90 Forfar.
- 91 Kinc. Mrs. Dickson ms.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 94 Banff.
- 95 Elgin. Gordon cat.
- 96 Easternness. Stables cat.
- 00 Clyde-isles. Hennedy cat.
- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour cat.
- 08 Suth. west!
- 09 Caithness. Brown cat.
- 10 Hebrides.
- 11 Orkney. Gillies herb.
- 12 Shetland. Tate sp.

56 Crambe

maritima.

- 2 Corn. east. Watt in B. G.
- 3 Devon south. G. Lloyd sp.
- 4 north. Ravenshaw.
- 6 Som. north. Collins ms.
- 9 Dorset. Pleydell cat.
- 10 Wight. Bromfield ms.†
- 11 Hants south. Bromf. cat.
- 13 Sussex west. Borrer ms.
- 14 east. Salmon.
- 15 Kent east. Smith cat.
- 19 Essex north. Extinct?
- 25 Suffolk east. Skepper flo.
- 27 Norfolk east. Smith in B. G.
- 41 Glamorgan. B. G. Dill. Mat.
- 45 Pembroke. Turton in B. G.
- 49 Carnarvon. Christy. Winch.
- 52 Anglesea. Bowman ms.
- 54 Linc. north. Banks in B. G.
- 71 York s. east. Baines flo.
- 62 n. west. Brunton.
- 69 Lake Lanc. Aiton: B. G.
- 70 Cumb. Robson. B. G.
- 71 Man. Forbes cat. "rare."
- 73 Kircud. G. N. Lloyd ms.

- 74 Wigton. Balfour sp.
 - 75 Ayr. Bot. of Ayrshire.
 - 81 Berw. "A. Carr, 1830."
 - 84 Linlithgow! Balf. flo.
 - 85 Fife. Balf. flo. edinb.
 - 00 Clyde? "Landsborough."
 - 01 Cantire. Balfour sp.
 - 02 Isla. Balfour cat.
- N.B. This plant apparently is decreasing on our coasts; several of its localities resting only on old records.

57 Coronopus didyma.

- 1 Corn. west! Cunnack cat.
 - 2 east Briggs cat.†
 - 3 Devon south! Briggs cat.†
 - 4 north. Maw cat.
 - 6 Som. north. Flower sp.
 - 9 Dorset. Clark sp.
 - 10 Wight. More cat.†
 - 11 Hants south. Macreight sp.†
 - 12 north.
 - 13 Sussex west. Salmon ms.
 - 17 Surrey!
 - 18 Essex south.
 - 19 north. Varenne ms.†
 - 20 Herts.
 - 21 Middlesex.
 - 34 Gloster west! Thwaites cat.
 - 39 Stafford. Church. Bab. sp.†
 - 41 Glamorgan. Moggridge sp.
 - 44 Carmarthen. Motley cat.
 - 45 Pembroke. Bab. cat.
 - 49 Carnarvon.
 - 56 Notts. Carrington sp.
 - 58 Chester. Warren cat.†
 - 59 Lanc. south. Dickenson sp.
 - 62 York n. east.
 - 66 Durham. Storey sp.
 - 67 Northumberland.
 - 68 Cheviotland.
 - 75 Ayr. Landsborough ms.
 - 85 Fife.
- N.B. This is an opposite ex-

ample to the preceding (Crambe); being one of a plant spreading into new localities, and these wide apart. Best established in the Peninsula and South Wales. Supposed to have come originally from America.

58 *Coronopus* *Ruellii*.

- | | |
|--------------------------------|-----------------------------|
| 1 Corn. west! Bailey ms. | 35 Monmouth. Conway cat. |
| 2 east. Briggs cat. | 36 Hereford. Purchas cat. |
| 3 Devon south. Briggs cat. | 37 Worcester. |
| 4 north! Maw cat. | 38 Warwick. Kirk cat. |
| 5 Som. south. Coleman cat. | 39 Stafford. |
| 6 north. Thwaites cat. | 40 Salop. Leighton cat. |
| 7 Wilts south. Flower cat. | 41 Glamorgan. Moggridge sp. |
| 8 north. Flower cat. | 44 Carmarthen. Motley cat. |
| 9 Dorset. Pleydell cat. | 45 Pembroke. Bab. cat. |
| 10 Wight! More cat. | 46 Cardigan. Purchas ms. |
| 11 Hants south! Notcutt cat. | 50 Denbigh. Bowman cat. |
| 12 north! | 51 Flint! |
| 13 Sussex west! Borrer cat. | 52 Anglesea. |
| 14 east! | 53 Lincoln south! |
| 15 Kent east! Smith cat. | 54 north! Bogg cat. |
| 16 west! | 55 Leicester. Bloxam cat. |
| 17 Surrey! | 56 Notts. |
| 18 Essex south. | 57 Derby. Howitt cat. |
| 19 north. Varenne cat. | 58 Chester! Warren cat. |
| 20 Herts. Coleman cat. | 59 Lanc. south. Webb cat. |
| 21 Middlesex! | 60 west. |
| 22 Berks. Britten cat. | 61 York s. east. |
| 23 Oxford. Beesley cat. | 62 n. east. Baker cat. |
| 24 Bucks. Britten cat. | 63 s. west. |
| 25 Suffolk east. Purchas ms. | 64 m. west. |
| 26 west. | 65 n. west. Ward cat. |
| 27 Norfolk east. Cooper sp. | 66 Durham. Storey sp.† |
| 28 west. Notcutt cat. | 67 Northumberland. |
| 29 Cambridge. Babington cat. | 68 Cheviot. Embleton cat. |
| 30 Bedford. | 69 Westmoreland. |
| 31 Hunts! Newbould cat. | 70 Cumberland. |
| 32 Northton! Notcutt cat. | 71 Man. Forbes cat. |
| 33 Gloster east. Prentice cat. | 74 Wigton. Balfour sp. |
| 34 west! Thwaites cat. | 75 Ayr. Duncan cat. |
| | 80 Roxburgh. |
| | 81 Berwick. |
| | 82 Haddington. Balfour cat. |
| | 83 Edinburgh. Twynam sp. |
| | 85 Fife. "Extinct in 1869." |
| | 92 Aber. south. Dickie ms.† |
| | 93 north. Roy ms. † |
| | 94 Banff. "Mr. Wilson." |
| | 95 Elgin. Gordon cat.† |
| | 00 Clyde-isles. Galt ms. |
| | 06 Ross east. Authority? |
| | 09 Caithness. Brown cat. |

N.B. The scarcity of this weed in Scotland has led to the full enumeration of its ascertained counties.

60. *Thlaspi* *arvense*.

- 1 Corn. west.
- 2 east. Briggs cat.†
- 3 Devon south. Briggs cat.†
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.†
- 11 Hants south?
- 12 north.
- 13 Sussex west.
- 14 east.
- 15 Kent east. Smith cat.
- 17 Surrey! Pamplin ms.
- 18 Essex south.
- 19 north. Varenne ms.
- 20 Herts. Coleman cat.†
- 21 Middlesex.
- 22 Berks. Britten cat.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west. Wardale sp.
- 29 Cambridge?
- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 51 Flint. Miss Attwood ms.
- 54 Lincoln north. Bogg cat.

- 55 Leicester.
 - 56 Notts.
 - 58 Chester.
 - 59 Lanc. south. Tudor sp.†
 - 60 west. Syme sp.
 - 61 York s. east.
 - 62 n. east.
 - 64 m. west.
 - 65 n. west.
 - 66 Durham.
 - 67 Northumb. Winch sp.
 - 68 Cheviot. Embleton sp.
 - 71 Man. Forbes cat.
 - 75 Ayr. Duncan cat.
 - 77 Lanark. Hennedy cat.†
 - 78 Peebles.
 - 80 Roxburgh. Duncan cat.
 - 81 Berwick.
 - 82 Haddington.
 - 83 Edinburgh. Balfour cat.
 - 84 Linlithgow. Macnab sp.
 - 85 Fife! Syme sp.
 - 90 Forfar.
 - 91 Kincardine.
 - 92 Aber. south. Dickie cat.
 - 93 north. Dickie flo.
 - 94 Banff.
 - 95 Elgin. Gordon cat.
 - 96 Easterness! Stables cat.
 - 00 Clyde-isles. Balfour sp.
 - 06 Ross east! Gordon cat.
 - 07 Suth. east!
 - 09 Caithness. Brown cat.
 - 11 Orkney.
- N.B. Seldom persistent; often as a casual only.

61 *Thlaspi* *perfoliatum*.

- 23 Oxford. Extinct.
- 33 Gloster east. Prentice sp.
[22 38 64 70].

62 *Thlaspi* *alpestre*.

- 41 Glamorgan.

- 49 Carnarvon.
 50 Denbigh. Sansom sp.
 57 Derby!
 64 York m. west.
 65 n. west. Baker sp.
 66 Durham.
 67 Northumb. Storey sp.
 69 Westmoreland.
 70 Cumberland!
 90 Forfar. Brand sp.
 [3 Devon. 23 Oxford].
 N.B. Three segregates thus:
 T. sylvestre 66 67 90.
 virens 57.
 occitanum 49 50 64 65 66.

63 Capsella Bursa.

All the counties, except 46 97
 108 and the other nine;
 doubtless really to be found
 in all.

64 Hutchinsia petræa.

- 6 Som. north. Christy sp.
 16 Kent west. Sansom sp.
 34 Gloster west. Purchas sp.
 36 Hereford. Watkins sp.
 39 Stafford.
 41 Glamorgan. Moggridge sp.
 45 Pembroke.
 49 Carnarvon.
 50 Denbigh! Bowman sp.
 57 Derby. Bickham sp.
 64 York m. west. Tatham cat.
 65 n. west. Ward sp.

65 Teesdalia nudicaulis.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Trevelyan sp.
 7 Wilts north.
 9 Dorset. Mansel-Pleydell sp.
 11 Hants south!

- 12 Hants north! Pamplin ms.
 13 Sussex west. Borrer ms.
 17 Surrey! Ellis ms.
 18 Essex south.
 19 north.
 20 Herts.
 21 Middlesex.
 22 Berks.
 24 Bucks.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norf. east.
 28 west. Notcutt cat.
 29 Cambridge. Leefe sp.
 30 Bedford.
 32 Northton.
 37 Worcester. Lees sp.
 38 Warwick. Bagnall ms.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 48 Merioneth! Price sp.
 49 Denbigh! Bowman cat.
 55 Leicester. Ch. Bab. sp.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester!
 59 Lanc. south. Tudor ms.
 61 York s. east.
 62 n. east.
 63 s. west. Denny ms.
 64 m. west. Lees cat.
 65 n. west.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton sp.
 69 Westmoreland. Leefe ms.
 70 Cumberland! Baker cat.
 75 Ayr. Duncan cat.
 77 Lanark. Balfour sp.
 78 Peebles.
 80 Roxburgh. Macnab sp.
 81 Berwick?
 83 Edinburgh. Balfour cat.
 88 Perth mid.
 90 Forfar.
 91 Kincardine. Syme cat.

- 92 Aber. south. Dickie sp.
 93 north. Dickie flo.
 95 Elgin. Gordon sp.
 96 Easternness. Stables cat.
 99 Dunbarton. [85].

66 Iberis**amara.**

- 5 Som. south ?
 6 north. Collins ms.
 8 Wilts south.
 9 Dorset. Mansel cat.†
 12 Hants north.
 17 Surrey.
 20 Herts. Fordham sp.
 22 Berks. Henslow sp.
 23 Oxford. Godley sp.
 24 Bucks. Britten sp.
 28 Norf. west. Cooper sp.
 29 Camb. Coleman sp.
 30 Bedford. Brown sp.
 (10 19 38 39 52 57 62
 64 65 67 69 77 80 81
 83 84 85; mostly garden
 escapes, and perhaps some
 of them not rightly assigned
 to I. amara).

67 Lepidium**latifolium.**

- 6 Som. north. Collins ms.
 15 Kent. east. Berkeley ms.
 18 Essex south.
 19 north. Syme sp.
 25 Suff. east. Notcutt sp.
 27 Norf. east. Babington sp.
 28 west. Miss Bell ms.
 29 Cambridge. Extinct ?
 37 Worcester ?
 41 Glamorgan ?
 50 Denbigh.
 51 Flint. H. Crewe sp.
 52 Anglesea. Bowman ms.†
 58 Chester. Webb sp.
 60 Lanc. west.
 62 York n. east. Leefe sp.

- 66 Durham. "denizen."
 67 Northumb. Storey sp.
 68 Cheviot. "denizen."
 (3 13 17 55 64 77 80 81
 82 85 107; apparently in-
 troduced, and only casual
 in some of these counties, as
 Leicester and Lanark).

69 Lepidium**Smithii.**

- 1 Corn. west! Cunnaack cat.
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north!
 5 Som. south. Coleman cat.
 6 north.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.†
 11 Hants south! Bromf. sp.
 13 Sussex west. Borrer cat.
 14 east. Taylor sp.
 17 Surrey! Twining sp.
 18 Essex south? Moxon ms.
 21 Middlesex.
 22 Berks.
 25 Suffolk east.
 27 Norfolk east. Cooper sp.
 28 west.
 33 Gloster east. Prentice cat.
 35 Monmouth. Hort ms.
 36 Hereford. "Wilmott."
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford!
 40 Salop. Leighton cat.
 41 Glamorgan. Moggridge sp.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Atwood sp.
 48 Merioneth. Russell sp.
 49 Carnarvon! Babington ms.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 55 Leicester.
 56 Notts.

- 58 Chester. Warren cat.
 59 Lanc. south! Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 64 m. west. Tatham cat.
 65 n. west.
 66 Durham. Storey sp.
 67 Northumb. Bowman sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland.
 70 Cumberland. Ottley sp.
 71 Man. Forbes sp. Webb ms.
 72 Dumfries. Gray cat.
 73 Kirkcud. Gray cat.
 74 Wigton. Macnab sp.
 75 Ayr. Duncan cat.
 76 Renfrew. Gourlie sp.
 77 Lanark. Balfour sp.
 81 Berwick.
 82 Haddington. Balfour sp.
 83 Edinburgh.
 84 Linlithgow. Balfour cat.
 85 Fife. Hugh Balfour sp.
 87 Perth west. Syme sp.
 88 mid.
 89 east!
 90 Forfar.
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie sp.
 93 north. Dickie flo.
 94 Banff.
 96 Easterness. Stables sp.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles.
 N.B. Localities for this occasionally confused.

70 *Lepidium campestre*.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 Wilts south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! Bell Salter sp.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west! Borrer cat.
 14 east! Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts.
 21 Middlesex! Hind cat.
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east. Paget sp.
 28 west.
 29 Cambridge. Babington flo.†
 31 Hunts. Newbould cat.†
 32 Northton. Berkeley ms.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 51 Flint!
 52 Anglesea.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 60 west. Syme sp.
 61 York s. east.

- 62 York n. east. Baker sp.
 63 s. west. Denny ms.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 71 Man. Forbes cat.
 72 Dumfries?
 73 Kirkeud. Gray cat.
 75 Ayr.
 77 Lanark. Hennedy cat.
 81 Berwick.
 82 Haddington.
 83 Edinburgh.
 84 Linlithgow! Balfour cat.
 85 Fife. Syme cat.
 86 Stirling.
 87 Perth west. Syme cat.
 90 Forfar. Gardiner sp.
 91 Kincardine.
 95 Elgin. Gordon cat.†

71 *Lepidium* ruderales.

- 1 Cornwall.
 3 Devon south.
 6 Som. north. Thwaites cat.
 9 Dorset. Pleydell cat.†
 11 Hants south. Bromf. ms.
 15 Kent east.
 16 west! "G. E. Smith."
 18 Essex south.
 19 north. Christy sp.
 21 Midx. Lawrence sp.
 25 Suffolk east.
 27 Norf. east. Babington sp.
 28 west. Wardale sp.
 29 Cambridge. "Henslow!"
 34 Gloster west. Purchas sp.
 35 Monmouth. Hort sp.
 37 Worcester.
 41 Glamorgan. Atwood ms.†
 44 Carmarthen. Motley ms.†
 45 Pembroke.
 58 Chester. "casual."

- 62 York n. east. Baker sp.†
 66 Durham. Storey sp.†
 67 Northumb. Storey sp.†
 80 Roxburgh. "casual."
 85 Fife. Syme sp.†
 N.B. A casual or ballast plant
 in several of its localities.

72 *Cochlearia* officinalis.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Keys sp.
 4 north. Maw cat.
 6 Som. north. Crotch sp.
 9 Dorset. Pleydell cat.
 10 Wight. "Dr. Tate."
 11 Hants south!
 15 Kent east. Smith cat.
 16 west! Taylor sp.
 18 Essex south.
 19 north. Varenne ms.
 25 Suffolk east.
 27 Norfolk east.
 28 west.
 34 Gloster west.
 35 Monmouth. Conway cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke.
 46 Cardigan. Atwood sp.
 49 Carnarvon.
 51 Flint!
 52 Anglesea.
 57 Derby! alpina?
 58 Chester!
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. alpina?
 65 n. west.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 70 Cumberland.

- 71 Man. Forbes sp.
 - 72 Dumfries. Gray cat.
 - 73 Kirkcud. Gray cat.
 - 75 Ayr. Duncan cat.
 - 76 Renfrew. Hennedy cat.
 - 77 Lanark. Hennedy cat.
 - 81 Berwick.
 - 82 Haddington. Balfour cat.
 - 83 Edinburgh! Balfour cat.
 - 84 Linlithgow. Balfour cat.
 - 85 Fife. Dewar sp.
 - 87 Perth west. Syme cat.
 - 90 Forfar.
 - 91 Kincardine. Syme cat.
 - 92 Aber. south. Dickie cat.
 - 93 north. Dickie flo.
 - 94 Banff.
 - 95 Elgin. Gordon cat.
 - 96 Easternness. Stables cat.
 - 97 Westernness. Ch. Bab. ms.
 - 99 Dunbarton!
 - 00 Clyde-isles. Hennedy cat.
 - 01 Cantire. Balfour cat.
 - 02 Eb. south. Balfour cat.
 - 04 north. Ch. Bab. ms.
 - 68 Suth. west!
 - 09 Caithness. Brown cat.
 - 10 Hebrides.
 - 11 Orkney. Syme cat.
 - 12 Shetland.
- N.B. Said by Mr. Borrer not to be found on the coast of Sussex. In the inland localities in 38 50 55 56 80 it may be an introduced plant.

72 Cochlearia**alpina.****"groenlandica."**

- 49 Carnarvon! Babington ms.
- 64 York m. west.
- 65 n. west.
- 66 Durham. Baker sp.
- 67 Northumberland.
- 68 Cheviotland.
- 69 Westmoreland!

- 70 Cumberland! Baker ms.
- 88 Perth mid!
- 89 east!
- 90 Forfar!
- 92 Aber. south! Dickie cat.
- 96 Easternness! Gordon ms.
- 97 Westernness!
- 98 Argyle!
- 11 Orkney?
- 12 Shetland. Tate sp.

**72 Cochlearia
danica.**

- 1 Corn. west. Greenwood sp.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north. Maw sp.
- 5 Som. south. Coleman sp.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south! Macreight sp.
Sussex. "on the coast."
- 15 Kent west. Smith cat.
- 19 Essex north.
- 25 Suffolk east. Babington ms.
- 27 Norf. east. Barnard sp.
- 28 west.
- 40 Salop? Leighton "walls."
- 41 Glamorgan.
- 44 Carmarthen.
- 45 Pembroke. Rogers sp.
- 46 Cardigan. Purchas sp.
- 49 Carnarvon! Bloxam ms.
- 50 Denbigh. Sansom sp.
- 52 Anglesea.
- 58 Chester. Warren cat.
- 59 Lanc. south.
- 60 west.
- 66 Durham.
- 67 Northumb. Storey sp.
- 68 Cheviotland.
- 69 Westmoreland.
- 70 Cumb. Chambers sp.
- 71 Man. Webb ms. 1867.
- 76 Renfrew. Hennedy cat.
- 81 Berwick?

- 83 Edinburgh.
- 85 Fife.
- 91 Kincardine.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 95 Elgin. Gordon cat.
- 00 Clyde-isles. Hennedy cat.
- 11 Orkney ?
- 12 Shetland ? alpina ?
- N.B. The localities for this
and the two preceding are
rather confused together,
through difficulties in dis-
tinguishing three species.

72 Cochlearia anglica.

- 1 Corn. west.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north! Maw cat.
- 6 Som. north. Collins ms.
- 9 Dorset.
- 10 Wight. Stratton sp.
- 11 Hants south. Notcutt cat.
- Sussex. Borrer cat. co.
- 15 Kent east. Syme sp.
- 16 west.
- 18 Essex south.
- 19 north.
- 21 Midx. "Warren, 1869."
- 25 Suff. east. Coleman ms.
- 27 Norf. east.
- 28 west. Cooper sp.
- 29 Cambridge. Babington cat.
- 34 Gloster west! Stephens sp.
- 35 Monmouth. Conway cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke.
- 46 Cardigan. Gibson ms.
- 52 Anglesea.
- 57 Derby? B. G. error ?
- 58 Chester. Lewis sp.
- 59 Lanc. south.
- 60 west!

- 66 Durham ?
- 67 Northumb. New flo.
- 68 Cheviotland ?
- 69 Westmoreland ?
- 70 Cumberland ?
- 73 Kirkeudbright ?
- 74 Wigton ?
- 77 Lanark ?
- 83 Edinburgh ?
- 95 Elgin ?
- 99 Dunbarton ?
- 03 Ebudes mid ?
- N.B. An ill-understood spe-
cies ; forms of *C. officinalis*
being confused with it.

74 Subularia aquatica.

- 49 Carnarvon. Butler sp.
- 50 Denbigh. Bowman cat.
- 52 Anglesea.
- 70 Cumberland. Oliver sp.
- 72 Dumfries.
- 87 Perth west. Brand sp.
- 88 mid.
- 90 Forfar.
- 91 Kincardine. Dickie sp.
- 92 Aber. south! Hooker sp.
- 93 north. Dickie flo.
- 94 Banff. Roy ms. 1870.
- 96 Easternness.
- 99 Dunbarton. Gourlie sp.
- 05 Ross west.
- 08 Suth. west. Graham sp.
- [40 59 72 85].

75 Draba aizoides.

- 41 Glamorgan. Moggridge.
- [5. "Mr. Talbot, an error"].

76 Draba rupestris.

- 88 Mid Perth !
- 96 Easternness. "Cairngorm."
- 98 Argyle ? or Dunbarton ?

08 Suth. west. "Mr. Macnab."
[11 90 94 111].

77 Draba
incana.

- 39 Stafford? Derby only?
49 Carnarvon.
57 Derby. Wardale sp.
62 York n. east.
64 m. west. Tatham sp.
65 n. west. Baker sp.
66 Durham.
69 Westmoreland!
70 Cumberland.
88 Mid Perth!
90 Forfar!
92 Aber. south. Dickie cat.
94 Banff.
96 Easternness. Cairngorm.
02 Eb. south. Balfour sp.
04 north. Lawson cat.
06 Ross east. Stables sp.
07 Suth. east.
08 west!
09 Caithness.
11 Orkney. Gillies herb.
12 Shetland. Tate sp.
[11 South Hants].

78 Draba
muralis.

- 6 Som. north. Flower sp.
80 Bedford?
39 Stafford.
47 Montgomery. Bowm. sp.
57 Derby. Bowman sp.
64 York m. west. Tatham sp.
65 n. west. Ward sp.
69 Westmoreland?
(1 21 84 62 77 83 90
100).

79 Draba
verna.

- Counties all, except 14 35 46
51 60 86 97 98 101 102

104 107 110 112; no
doubt simply overlooked in
most of these counties; and
whether the typical form
occurs in all of the others
is not ascertained.

79 Draba
brachycarpa.

- 2 Corn. east. Briggs sp.
3 Devon south. Briggs sp.
5 Som. south. Gifford sp.
9 Dorset. Pleydell ms.
10 Wight. More sp.
17 Surrey!
58 Chester. New Lpl. flo.
62 N.E. York. Baker sp.
67 Northumb. New flo.
69 Westm. E. Hodgson, sp.
85 Fife. Thirsk Report, 1868.
N.B. Doubtless it will be found
in most other counties; but
intermediate forms occur;
one such from Orkney, not
easy to name positively.

79 Draba
inflata.

- 88 Mid Perth. Syme sp.
N.B. The Breadalbane hills,
Perthshire, seem still to
remain the only certain
habitat for this apparently
distinct species. Something
approximating to it has oc-
curred in the Isle of Wight,
Warwickshire, and North-
east Yorkshire; but in each
case referred to brachycarpa.

83 Dentaria
bulbifera.

- 13 Sussex west.
14 east.
15 Kent east?
17 Surrey.

- 20 Herts.
 21 Midx. H. Kingsley sp.
 24 Bucks. Britten sp.
 39 Stafford.
 75 Ayr. James Wilson sp.

84 Cardamine amara.

- 7 Wilts north.
 8 south?
 9 Dorset.
 11 Hants south. Notcutt cat.
 13 Sussex west. Borrer ms.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey! Ellis ms.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts.
 21 Midx. Harris sp.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norf. east. Stock sp.
 28 west. Miss Bell sp.
 29 Cambridge. Bab. ms.†
 31 Hunts. Newbould cat.
 32 Northton.
 33 Gloster east.
 34 west?
 37 Worcester. Bagnall ms.
 38 Warwick.
 39 Stafford. Bagnall ms.
 40 Salop.
 50 Denbigh.
 55 Leicester.
 56 Notts.
 57 Derby.
 58 Chester!
 59 Lanc. south.
 61 York s. east.
 62 n. east.
 63 s. west. Leyland sp.

- 64 York m. west. Tatham sp.
 65 n. west.
 66 Durham.
 67 Northumberland.
 68 Cheviot. Miss Pringle sp.
 69 Westmoreland.
 70 Cumberland!
 72 Dumfries. Gray cat.
 73 Kirkcud. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh.
 81 Berwick.
 83 Edinburgh! Balfour sp.
 85 Fife, C. Syme sp.
 86 Stirling.
 87 Perth west.
 88 mid.
 90 Forfar. Croall sp.
 91 Kincardine.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness.
 99 Dunbarton?
 00 Clyde-isles. Hennedy cat.
 [2 East Cornwall? 4 North
 Devon? These must be
 held uncertain till verified;
 although there would seem
 nothing unlikely in the
 habitats].

85 Cardamine pratensis.

Counties all, except 46 97 107,
 and the usual nine; but
 doubtless actually growing
 in these counties also.

86 Cardamine hirsuta.

Counties all, except 31 45 51
 53 54 80 86 97 98 107

108 109, in all of which it may be expected to occur. The *C. eu-hirsuta*, as distinguished from *C. sylvatica*, may be as generally distributed, although hitherto reported separately in scarcely half of the counties, from Cornwall to Moray, perhaps to Orkney and Shetland.

86 Cardamine. *sylvatica*.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Goulding sp.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south!
- 12 north! Baker cat.
- 13 Sussex west. Borrer cat.
- 14 east?
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts.
- 21 Middlesex! Hind cat.
- 22 Berks!
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 27 Norfolk east?
- 30 Bedford?
- 33 Gloster east?
- 34 west. Thwaites cat.
- 35 Monmouth. Watkins sp.
- 36 Hereford.
- 37 Worcester. Lees sp.
- 38 Warwick. Kirk cat.
- 39 Stafford! Babington ms.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 45 Pembroke.

- 46 Cardigan. Purchas ms.
- 55 Leicester. Ch. Bab. sp.
- 58 Chester. Warren cat.
- 59 Lanc. south! Webb cat.
- 62 York n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Tatham cat.
- 65 n. west. Ward cat.
- 66 Durham. Storey ms.
- 67 Northumb. Storey sp.
- 68 Cheviot. Richardson sp.
- 69 Westmoreland!
- 70 Cumberland. Baker cat.
- 74 Wigton. Balfour sp.
- 76 Renfrew. Hennedy cat.
- 77 Lanark. Hennedy cat.
- 81 Berwick.
- 83 Edinburgh. Balfour cat.
- 84 Linlithgow. Syme sp.
- 85 Fife. Syme cat.
- 87 Perth west. Syme cat.
- 88 mid?
- 89 east!
- 90 Forfar?
- 91 Kincardine. Syme cat.
- 95 Elgin. "Dr. Innes."
- 96 Easternness?
- 99 Dunbarton?
- 00 Clyde-isles. Hennedy cat.
- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour cat.
- 04 north. Lawson cat.
- 10 Hebrides.

N.B. The ? affixed to the names of counties indicates that "*C. hirsuta*" has been described as growing by ditches or wet places; thus leading to a supposition that *C. sylvatica* may be intended or included.

87 Cardamine *impatiens*.

- 2 Corn. east? "Crouch."
- 3 Devon south. "Roberts" sp.

- 4 Devon north?
 6 Som. north. Thwaites cat.
 13 Sussex west. Extinct?
 17 Surrey! Salmon sp.
 34 Gloster west. Watkins sp.
 35 Monmouth.
 36 Hereford. Purchas cat.
 37 Worcester. Lees sp.
 38 Warwick. Bloxam sp.
 39 Stafford.
 40 Salop.
 41 Glamorgan.
 47 Montgomery. Bowman ms.
 48 Merioneth.
 50 Denbigh. Bowman sp.
 57 Derby!
 64 York m. west. Tatham sp.
 65 n. west.
 62 Westmoreland.
 75 Ayr?

N.B. The *C. sylvatica* has been frequently misreported as if *C. impatiens*; thus, throwing much doubt on several of the counties; among which those enumerated below are mostly errors thus occasioned:—
 [7 21 55 58 59 61 62 70 77 83 97 111; also 2 and 4?]

88 *Arabis*

thaliana.

Counties all, except 1 32 35 45 46 49 51 53 54 60 69 72 73 86 97 98 101 102 107 108 110 112. There can be little doubt that it could be found in all of these counties, if sought early in the season, before it becomes hidden by more robust plants. And botanists accustomed to name it *Sisymbrium thalianum* may

omit to mark it under *Arabis* in a printed catalogue.

89 *Arabis*

petræa.

- 48 Merioneth? "Lhwyd."
 49 Carnarvon. Bab. sp.
 70 Cumberland? "Wood."
 88 Perth mid. Light scot.
 91 Kincardine. "bed of Dee."
 92 Aber. south! Dickie sp.
 96 Easternness. "Cairngorm."
 03 Mull. "Maughan."
 04 Skye. Lawson cat.
 08 Suth. west. Graham sp.
 10 Hebrides. "Harris."
 12 Shetland. Tate sp.
 South Wales. Bab. man.
 [3 40 57 62 65].

90 *Arabis*

stricta.

- 6 Som. north. Thwaites cat.
 34 Gloster west. Thwaites sp.
 [70 Cumberland].

91 *Arabis*

ciliata

var. *hispida*.

- 45 Pembroke. Bab. man.
 N.B. The remarks on this plant in the third edition of 'English Botany' would suggest that it may occur in other counties, but overlooked as a form of *Arabis hirsuta*. G. Don reported an "*Arabis ciliata*" from the hills of Forfarshire.

92 *Arabis*

hirsuta.

- 1 Corn. west. "north coast."
 2 east. "north coast."
 3 Devon south! Hore sp.

6 Som. north ! Butler sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell sp.
 10 Wight. More cat.
 11 Hants south.
 12 north.
 13 Sussex w. "on the downs."
 14 e. "on the downs."
 15 Kent east. Syme sp.
 17 Surrey ! E. Wood ms.
 20 Herts.
 22 Berks.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norf. east.
 28 west. Miss Bell sp.
 29 Cambridge. Babington cat.
 32 Northton ?
 33 Gloster east. Buckman sp.
 34 west. Thwaites cat.
 35 Monmouth. Babington ms.
 36 Hereford. Purchas cat.
 37 Worcester.
 39 Stafford.
 40 Salop. Leighton ms.
 41 Glamorgan. Lees sp.
 42 Brecon. "E. Forster ms."
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan.
 47 Montgomery.
 49 Carnarvon. Winch ms.
 50 Denbigh. Bowman ms.
 52 Anglesea !
 53 Linc. south. Bloxam sp.
 55 Leicester.
 56 Notts.
 57 Derby ! Bowman ms.
 58 Chester ! Warren cat.
 59 Lanc. south.
 60 west. Simpson sp.
 61 York s. east.
 62 n. east. Baker cat.

63 York s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumb. Winch sp.
 68 Cheviot. Embleton sp.
 69 Westmoreland !
 70 Cumberland !
 72 Dumfries. Hutton sp.
 75 Ayr.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington.
 83 Edinburgh ! Balfour cat.
 84 Linlithgow. Ed. cat. "v.c."
 85 Fife. Syme cat.
 86 Stirling.
 87 Perth west. Syme cat.
 88 mid.
 89 east !
 90 Forfar !
 91 Kincardine.
 92 Aber. south !
 94 Banff.
 95 Elgin. Gordon sp.
 00 Clyde-isles. Hennedy cat.
 02 Eb. south. Balfour sp.
 04 north. Ch. Bab. ms.
 06 Ross east. Gordon cat.
 08 Suth. west. "garden wall."
 09 Caithness. Brown cat.

94 Turritis

glabra.

6 Som. north ?
 7 Wilts north. Flower cat.
 9 Dorset ?
 12 Hants north. Pamplin ms.
 16 Kent west. Sandys sp.
 17 Surrey ! Ellis ms.
 18 Essex south.
 19 north. Varenne sp.
 20 Herts. Coleman sp.
 21 Middlesex !

- 22 Berks.
 23 Oxford.
 24 Bucks.
 25 Suffolk east. Stock cat.
 27 Norf. east. Cooper sp.
 28 west.
 Gloster...? Wintle ms.
 37 Worcester. Lees sp.
 38 Warwick. Leefe sp.
 39 Stafford.
 40 Salop. Leighton cat.
 55 Leicester. Bloxam sp.
 56 Notts.
 57 Derby. Church Bab. sp.
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west.
 64 m. west. Lees cat.
 65 n. west. Ward cat.
 66 Durham.
 67 Northumb.
 70 Cumb. Dickenson sp.
 77 Lanark.
 87 Perth west. Dewar sp.
 90 Forfar. Error?
 99 Dunbarton.
 N.B. Doubtfully native in its
 few Scottish counties.

95 Barbarea
vulgaris.

Counties all, except 49 51 53
 60 86 89 97 98 101 to
 112. In North Britain it is
 rare and doubtfully indigen-
 ous; beyond the line of the
 Caledonian canal, it is absent
 from all the lists except
 that for Caithness. See the
 'Comp. Cyb. Brit.' for the
 distribution of its segre-
 gates.

98 Nasturtium
officinale.

Counties all, except 46 49 60

86 97 98 107 109 110;
 in all of which it may be
 held very likely to occur, as
 well as in the usual nine
 blanks also.

99 Nasturtium
terrestre.

- 2 Corn. east.
 3 Devon south! Briggs cat.†
 6 Som. north. Thwaites cat.
 7 Wilts north. Preston ms.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south!
 12 north!
 13 Sussex west. Borrer cat.
 14 east.
 16 Kent west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norf. east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites sp.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 50 Denbigh. Bowman cat.

- 52 Anglesea.
 55 Leicester. Ch. Bab. sp.
 56 Notts.
 57 Derby. Howitt sp.
 58 Chester. Warren cat.
 59 Lanc. south! Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Denny ms.
 64 m. west. Lees cat.
 65 n. west. Baker sp.
 66 Durham. Norman cat.
 67 Northumb. Bowman sp.
 68 Cheviot. Embleton cat.
 70 Cumberland. Oliver sp.
 72 Dumfries. Gray cat.
 73 Kirkeud. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Balfour sp.
 80 Roxburgh.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour cat.
 84 Linlithgow. Balfour sp.
 85 Fife. Syme sp.
 87 Perth west.
 90 Forfar.
 98 Argyle?
 00 Clyde-isles. Hennedy cat.
 [92 South Aberdeen?]

100 Nasturtium sylvestre.

- ? Cornwall? Pascoe.
 3 Devon south. Goulding sp.
 ? Som. Collins ms. Southby.
 9 Dorset? Salter.
 14 Sussex east.
 17 Surrey! Salmon sp.
 18 Essex south.
 19 north.
 20 Herts.
 21 Middlesex!
 22 Berks.
 23 Oxford.

- 24 Bucks. Britten cat.
 25 Suffolk east.
 27 Norfolk east. Paget sp.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts!
 32 Northton!
 33 Gloster east.
 34 west. Thwaites sp.
 35 Monmouth. Ch. Bab. sp.
 36 Hereford.
 37 Worcester. Ch. Bab. sp.
 38 Warwick.
 39 Stafford.
 40 Salop. Butler sp.
 41 Glamorgan.
 44 Carmarthen.
 55 Leicester.
 56 Notts.
 57 Derby.
 58 Chester.
 59 Lanc. south.
 60 west. Simpson sp.
 61 York s. east.
 62 n. east.
 63 s. west.
 64 m. west. Lees cat.
 65 n. west. Baker sp.
 66 Durham. Storey sp.
 67 North. Bowman sp.
 68 Cheviotland.
 72 Dumfries?
 81 Berwick.
 83 Edinburgh. Brand sp.
 85 Fife. Syme sp.† Balf. sp.
 89 Perth east. Syme sp. "var:
 siliquis brevioribus."
 [70 Cumberland?]

101 Nasturtium amphibium. Armoracia amphibia.

- 6 Som. north. Thwaites cat.
 7 Wilts north. Flower cat.

- 8 Wilts south. Flower cat.
 9 Dorset. Mansel cat.
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 17 Surrey!
 18 Essex south. Varenne ms.
 19 north. Varenne cat.
 20 Herts.
 21 Middlesex! Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Notcutt cat.
 33 Gloster east.
 34 west. Thwaites sp.
 36 Hereford.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Bagnall ms.
 40 Salop.
 53 Lincoln south!
 54 north!
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester.
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west?
 65 n. west. "frequent."
 66 Durham. "ballast hills."
 [3 72 77 83 85 94].

**102 Sisymbrium
officinale.**

Counties all, except 97 104

108 112 and the usual
 nine; in all of which it may
 be expected, unless 112
 Shetland should be a real
 exception.

**103 Sisymbrium
Irio.**

N.B. So uncertain in its ap-
 pearance, this may class
 more appropriately with the
 casuals than with the true
 constituents of our perma-
 nent flora.

**104 Sisymbrium
Sophia.**

- 2 Cornwall east?
 3 Devon south?
 6 Som. north. Withers, 1850.
 8 Wilts south.
 9 Dorset. Pleydell cat.
 13 Sussex west? "Sussex"; B.
 14 east? Borrer cat. co.
 15 Kent east. Smith cat.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Midx. casual only?
 22 Berks.
 23 Oxford. extinct?
 25 Suff. east. Purchas ms.
 26 west.
 27 Norf. east. Cooper. sp.
 28 west. Miss Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 33 Gloster east. Prentice cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Bidwell sp.

- 41 Glamorgan.
 44 Carmarthen. Motley cat.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 51 Flint!
 52 Anglesea.
 53 Lincoln south!
 54 north!
 55 Leicester. Ch. Bab. sp.
 56 Notts.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Hancock sp.
 67 Northumb. Bowman sp.
 68 Cheviot. Embleton cat.
 77 Lanark?
 81 Berwick.
 82 Haddington.
 83 Edinburgh. Maughan sp.
 85 Fife.
 90 Forfar.
 91 Kincardine!
 95 Elgin. Gordon cat.
 96 Easterness! Stables cat.
 06 Ross. Gordon cat.
 09 Caithness. Brown cat.
 N.B. Somewhat irregular in
 its appearance in recorded
 localities; ranging in places
 from a casual to a fairly in-
 digenous plant.

106 Erysimum
cheiranthoides.

- 2 Corn. east. Cunnack cat.†
 3 Devon south. Briggs cat.†
 6 Som. north. Thwaites cat
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.†

- 12 Hants north.
 13 Sussex west.
 14 east
 15 Kent east. Bossey sp.
 16 west!
 17 Surrey! Rev. E. Wood ms.
 18 Essex south.
 19 north. Varenne ms.
 20 Herts. Fordham sp.
 21 Middlesex! Hind cat.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Bell sp.
 26 west. B.
 27 Norf. east. Paget sp.
 28 west. Notcutt sp.
 29 Cambridge. Babington cat.
 31 Hunts. Newbould cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford. "Wilmott ms."
 38 Warwick. Mrs. Russell.
 39 Stafford.
 40 Salop.

44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 N.B. If not an aboriginal
 native of England, it has
 become so well established
 and so frequent in some of
 the southern counties as to
 stand intermediately be-
 tween the colonists and
 natives. In Mid and North
 Britain, on the contrary, it
 seems to be scarcely better
 than a casual. (50 53 55
 to 59 62 63 65 66 67
 71 81 84 85 95 103).

107 Erysimum
Alliaria.

Counties all, except 46 51 53
 60 72 86 88 97 98 101
 to 105 107 to 112. A

recognized native from the south coast to the borders of the Grampian mountains. Northward of latitude 56-57, west and east, some of the local lists mark it as a plant probably introduced. It is one among many other such examples, of a species abundant in England, and shading off to the category of a "rare plant" in North Britain. It is to be regretted that our technical arrangements should place this plant under a genus, to the other species of which it is so dissimilar.

110 *Matthiola incana*.

- 10 Wight. Bromfield sp.
14 Sussex east. "Extinct."
45 Pembroke. Error?

N.B. In Mr. A. G. More's catalogue of Vectian plants this is marked as one uncertainly indigenous; and his judgment on conflicting views about nativity is less one-sided than that of Dr. Bromfield constantly showed itself to be.

111 *Matthiola sinuata*.

- 4 Devon north. Maw sp.
41 Glamorgan.
45 Pembroke. Babington cat.
48 Merioneth. Baker sp.
49 Carnarvon.
51 Flint.
52 Anglesea.

N.B. This appears to have been found at remote dates

in Cornwall, Dorset, and Sussex; has it been seen in those counties within the past half century?

113 *Brassica oleracea*.

- 1 Corn. west. Cunnack cat.
2 east. Pascoe cat.
3 Devon south. Henfrey sp.
6 Som. north. Collins ms.
9 Dorset. Pleydell cat.
10 Wight. More sp.†
15 Kent east!
41 Glamorgan?
45 Pembroke.
48 Merioneth?
49 Carnarvon.

N.B. If this cabbage were not so liable to distrust in most of its alleged localities, as a probable escape from cultivation, it might perhaps be accepted as native on the cliffs of Kent, the Peninsula, and South Wales. Dr. Tate wrote in 1871 "truly native" in South Devon. (18 27 62 66 67 69 75 81 83 85 86 100).

114 *Brassica campestris*. *Rapa*. *Napus*.

The exact application of these names is still so unsettled; and the records of localities so confused through misnomers and uncertainties as to the real wildness of the things intended by the variously applied names, that no real usefulness could arise from a merely condensed enumeration of re-

ported counties. The plant now so plentiful along the Thames is apparently a wild state of the Turnip, whether named *Rapa* or *campestris*. To record it as *Napus* was at first simply a misnomer through not seeing the plant at a sufficiently early stage of its growth. Uninquiring repetitions of error cannot amend or confirm the original error itself.

116 *Sinapis arvensis*.

Counties all, except 46 97 and the usual nine; in all of which it might be assumed to occur.

117 *Sinapis alba*.

- 1 Corn. west. Cunnack cat.
- 8 Devon south. Briggs cat.†
- 4 north.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts south. Flower cat.
- 8 north. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south.
- 12 north.
- 13 Sussex west! Borrer cat.
- 14 east!
- 15 Kent east! Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks. Britten cat.
- 23 Oxford.
- 24 Bucks. Britten cat.

- 25 Suffolk east.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 32 Northton! Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke.
- 49 Carnarvon!
- 50 Denbigh. Stratton ms.
- 52 Anglesea.
- 55 Leicester.
- 56 Notts.
- 58 Chester. Warren cat.
- 59 Lanc. south.
- 62 York n. east. Baker sp.
- 63 s. west. Lees cat.†
- 64 m. west.
- 65 n. west.
- 66 Durham. "colonist."
- 67 Northumb. "colonist."
- 68 Cheviotland. "colonist."
- 77 Lanark. Henedy cat.†
- 81 Berwick. "common."
- 82 Haddington. Balfour cat.
- 83 Edinburgh. J. B. Balf. ms.
- 84 Linlithgow. Balfour cat.
- 85 Fife. Balfour sp.
- 87 Perth west. Syme cat.†
- 89 east!†
- 91 Kincardine. Syme cat.†
- 92 Aber. south. Dickie cat.†
- 01 Cantire. Balfour cat.
- 02 Ebudes south. Balfour cat.
- 04 north. Lawson cat.
- 06 Ross east. Gordon cat.†
- 10 Hebrides.

118 Sinapis**nigra.**

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Fox sp.
- 10 Wight! More cat.
- 11 Hants south.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Smith cat.
- 15 Kent east.
- 16 west.
- 17 Surrey!
- 18 Essex south. Varenne ms.
- 19 north. Varenne cat.
- 20 Herts.
- 21 Middlesex.
- 22 Berks. Britten cat.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suff. east. Purchas ms.
- 26 west.
- 27 Norf. east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts! Newbould ms.†
- 32 Northton.
- 33 Gloster east. Prentice cat.
- 34 west! Thwaites cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.†
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 45 Pembroke. Babington cat.
- 50 Denbigh.
- 52 Anglesea.
- 53 Lincoln south! †

54 Lincoln north!

55 Leicester.

56 Notts.

58 Chester. Warren cat.

59 Lanc. south. Webb cat.

60 west. Syme ms.

62 York n. east. Baker cat.

63 s. west.

64 m. west.

65 n. west.

66 Durham. Norman cat.

67 Northumb. "colonist."

68 Cheviot. Embleton cat.

[72 77 81 83 85 95].

120 Sinapis**tenuifolia.**

- 1 Corn. west.
- 2 east.
- 3 Devon south. Briggs cat.†
- 6 Som. north. Crotch sp.
- 9 Dorset. Mansel ms.†
- 11 Hants south!
- 13 Sussex west!
- 15 Kent east! Beesley sp.
- 17 Surrey!
- 18 Essex south. Varenne ms.
- 19 north. Varenne ms.
- 20 Herts.
- 21 Middlesex.
- 22 Berks. Hurst ms.
- 25 Suffolk east.
- 27 Norfolk east.
- 28 west.
- 33 Gloster east?
- 34 west. Thwaites sp.
- 36 Hereford. extinct?
- 38 Warwick.
- 39 Stafford?
- 40 Salop. Shawe sp.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 48 Merion. Mrs. Russell sp.
- 49 Carnarvon!
- 58 Chester! Bowman sp.
- 62 York n. east. Baker cat.†

- 63 York s. west. Lees cat.
 65 n. west.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton sp.
 70 Cumberland.
 [10 77 81 85].

121 *Sinapis muralis*.

- 1 Corn. west.
 2 east. Briggs cat.†
 3 Devon south. Briggs cat.†
 6 Som. north! Thwaites cat.
 9 Dorset.
 10 Wight. "introduced."
 Sussex. Borrer cat. co.
 15 Kent east! Smith cat.
 17 Surrey!
 18 Essex south. Varenne ms.
 19 north. Varenne sp.
 20 Herts.
 21 Middlesex!
 22 Berks.
 24 Bucks.
 25 Suffolk east. Stock sp.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 33 Gloster east. Prentice cat.
 34 west! Butler sp.
 40 Salop. Leighton cat. co.†
 41 Glamorgan. Purchas sp.
 44 Carmarthen. Motley cat.
 58 Chester.
 59 Lanc. south. Webb cat.†
 62 York n. east. Baker sp.†
 66 Durh. Hort sp.† "ballast."
 67 Northumb. Storey sp.†
 70 Cumberland.
 85 Fife. Brand.† Balf. cat.†
 N.B. The habitats of this and the preceding species are confused in our recorded localities for the two plants.

122 *Sinapis monensis*.

- 41 Glamorgan. Moggridge sp.
 49 Carnarvon.
 52 Anglesea.
 58 Chester! Fordham sp.
 59 Lanc. south! Tudor sp.
 69 Westmoreland?
 70 Cumberland. Oliver sp.
 71 Man. Jowett sp.
 72 Dumfries.
 73 Kirkcudbright.
 74 Wigton. Balfour sp.
 75 Ayr. Prof. Balfour sp.
 76 Renfrew. Gourlie sp.
 00 Clyde-isles. Hooker sp.
 01 Cantire.

(2 17 21 60 66 82 90
 104, casual or doubtful; including *S. Cheiranthus*).

123 *Raphanus*

Raphanistrum.

Counties all, except 5 15 46
 51 60 86 97 99 104 107
 109; likely to occur in all.

124 *Raphanus*

maritimus.

- 1 Corn. west! Cunnack cat.
 2 east. Payne sp.
 3 Devon south. Tate ms.
 6 Som. north. Collins ms.
 9 Dorset. Pleydell ms.
 10 Wight! More cat.
 14 Sussex east. Trevelyan ms.
 15 Kent east?
 25 Suffolk east?
 27 Norfolk east?
 45 Pembroke. Bowman ms.
 48 Merioneth. Bowman ms.
 60 Lanc. west. Syme sp.
 61 York s. east?
 66 Durham. "ballast hills."
 70 Cumberland. "Benson."
 73 Kirkcudbright. Gray sp.

- 74 Wigton. Macnab sp.
 75 Ayr.
 76 Renfrew. Hennedy cat.
 98 Argyle. Gourlie sp.
 00 Clyde-isles. Hennedy cat.
 91 Cantire. Balfour cat.
 [112 Bressa; Edm. flo.]

125 Reseda**Luteola.**

Counties all, except 51 73 86
 88 93 97 to 100 102 to
 105 107 to 112. Du-
 biously indigenous in Moray
 and westward of the Cale-
 donian Canal.

126 Reseda**lutea.**

- 1 Corn. west?
 2 east. Briggs cat.†
 3 Devon south. Briggs cat.†
 4 north. Maw cat.
 6 Som. north!
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south. Noteutt cat.
 12 north!
 13 Sussex west! Martin sp.
 14 east!
 15 Kent east! Smith cat.
 16 west!
 17 Surrey! Ellis sp.
 18 Essex south
 19 north.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east. Cooper sp.
 28 west. Noteutt cat.

- 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Ch. Bab. ms.
 33 Gloster east. Prentice cat.
 34 west. Thwaites sp.
 35 Monmouth. Conway cat.
 37 Worcester.
 39 Stafford.
 40 Salop. one locality.
 41 Glamorgan. Collins ms.
 44 Carmarthen. Motley cat.
 53 Linc. south! Bloxam sp.
 54 north. Bogg cat.
 55 Leicester.
 56 Notts.
 57 Derby. Howitt sp.
 58 Chester!
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west.
 66 Durham. Norman cat.
 67 Northumberland.
 68 Cheviotland. Tate cat.†
 (51 75 77 81 82 83 84
 85 89 90 92 95 96).
 Dr. Boswell Syme holds it
 "apparently truly native"
 in Fife. Almost all other
 botanists of Scotland, whose
 opinion can be of any au-
 thority in the matter, mark
 it as an introduced plant in
 the Scottish counties, as
 also in the most northerly
 counties of England.

**128 Helianthemum
vulgare.**

- 3 Devon south.
 6 Som. north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.

11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Borrer cat.
 14 east?
 15 Kent east. Smith cat.
 16 west!
 17 Surrey! Wood ms.
 18 Essex south.
 19 north.
 20 Herts. Coleman cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east?
 26 west.
 27 Norf. east. Cooper sp.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Shawe sp.
 37 Worcester. Bagnall ms.
 38 Warwick. Bagnall ms.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Bab. cat.
 46 Cardigan.
 47 Montgom. Bowman ms.
 49 Carnarvon! Winch ms.
 50 Denbigh! Bowman cat.
 51 Flint. Bowman ms.
 52 Anglesea.
 53 Lincoln south. Bloxam ms.
 54 north! Bogg cat.
 55 Leicester.
 56 Notts.
 57 Derby! Howitt cat.
 59 Lanc. south. Chadwick sp.
 61 York s. east.
 62 n. east. Baker cat.

63 York s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Bowman sp.
 66 Durham. Storey sp.
 67 Northumb. Storey cat.
 68 Cheviot. Embleton cat.
 69 Westmoreland!
 70 Cumberland.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 85 Fife. Syme cat.
 86 Stirling.
 87 Perth west! Syme cat.
 88 mid! Worsley cat.
 89 east!
 90 Forfar!
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness! Stables cat.
 00 Clyde-isles. Hennedy cat.
 06 Ross east. Gordon cat.

129 *Helianthemum polifolium*.

3 Devon south. G. Lloyd sp.
 5 Som. north. Trevelyan sp.
 [34 Glouc. 37 Worc.].

130 *Helianthemum canum*.

41 Glamorgan.
 49 Carnarvon. Hooker sp.
 50 Denbigh.
 51 Flint. Bowman sp.
 52 Anglesea.
 65 York n. west. Baker sp.
 69 Westmoreland!
 70 Cumberland?
 [1 34 39].

131 Helianthemum Breweri.

52 Anglesea. Ball sp.

132 Viola palustris.

Counties all, except 5 12 19
20 24 26 29 31 32 33
34 46 51 54 60 80 86
99; in most of which doubt-
less it is to be found if
sought.

133 Viola odorata.

1 Corn. west. Cunnack cat.†
2 east. Briggs cat.*
3 Devon south. Briggs cat.
4 north! †
5 Som. south. Coleman cat.
6 north. Thwaites cat.
7 Wilts south. Flower cat.
8 north. Flower cat.
9 Dorset. Pleydell cat.
10 Wight. Bromfield ms.
11 Hants south. Notcutt cat.
12 north.
13 Sussex west. Borrer cat.
14 east. Coleman cat.
15 Kent east. Smith cat.†
16 west.
17 Surrey! Newman ms.
18 Essex south.
19 north. Gibson ms.
20 Herts. Coleman cat.
21 Middlesex. Hind cat.
22 Berks. Britten cat.
23 Oxford. Beesley cat.
24 Bucks. Britten cat.
25 Suffolk east. Coleman ms.
26 west. Henslow ms.
27 Norf. east.
28 west. Notcutt cat.
29 Cambridge. Henslow ms.
30 Bedford.
31 Hunts. Newbould cat.

32 Northton. Berkeley ms.
33 Gloster east. Prentice cat.
34 west. Thwaites cat.
35 Monmouth. Watkins sp.
36 Hereford. J. Hooker ms.
37 Worcester. Bagnall ms.
38 Warwick. Kirk cat.
39 Stafford. Douglas cat.
40 Salop. Leighton cat.
41 Glamorgan.
44 Carmarthen. Motley cat.
45 Pembroke. Babington cat.
50 Denbigh. Bowman cat.
53 Lincoln south! †
54 north! Bogg cat.
55 Leicester. Coleman cat.
56 Notts.
57 Derby. Howitt cat.
58 Chester. Warren cat.*
59 Lanc. south. Webb cat.†
61 York s. east.
62 n. east. Baker cat.
63 s. west. Lees cat.
64 m. west. Tatham cat.
65 n. west. Ward cat.
66 Durham. "native."
67 Northumb. New flora.*
68 Cheviotland. New flora.*
69 Westmoreland! †
70 Cumber. Baker cat.†
71 Man. Forbes cat.†
75 Ayr. Duncan cat.
77 Lanark. Hennedy cat.†
81 Berwick. Border flora.*
82 Haddington. Balf. flo.
83 Edinburgh! * Balf. cat.†
85 Fife. Syme.* Balf. flo.
86 Stirling.
87 Perth west.
90 Forfar. Gard. flora.†

[111 Orkney; Lowe's list].

N.B. In the above enumeration
of counties some variation
has been made from the
usual plan. All the coun-
ties are enumerated by

name, although the Violet may have been reported in them simply as an introduced plant. The * is here brought into use to distinguish counties in which the violet is considered to be certainly or very probably introduced. The † indicates a less positive opinion against its nativity. Seen by myself in many counties, Surrey and North Lincoln are the only two in which I could look upon it as truly native.

134 *Viola* *hirta*.

- 1 Corn. west. Warren sp.
- 2 east. Briggs cat.
- 3 Devon south. Briggs sp.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites sp.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south.
- 12 north.
- 13 Sussex west. Borrer ms.
- 15 Kent east! Smith cat.
- 16 west!
- 17 Surrey! Brewer sp.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 26 Suffolk west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Hanbury sp.

- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton! Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west! Thwaites cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Barnard ms.
- 44 Carmarthen. Motley cat.
- 47 Montgom. Bowman ms.
- 49 Carnarvon! Winch ms.
- 50 Denbigh. Bowman ms.
- 52 Anglesea!
- 53 Linc. south! Bloxam ms.
- 54 north!
- 55 Leicester.
- 56 Notts.
- 57 Derby! Bowman sp.
- 59 Lanc. south. Dugdale sp.
- 61 York s. east.
- 62 n. east. Baker sp.
- 63 s. west. Lees cat.
- 64 m. west. Tatham cat.
- 65 n. west. Ward sp.
- 66 Durham. Norman cat.
- 67 Northumb. Bowman sp.
- 68 Cheviot. Embleton sp.
- 69 Westmoreland!
- 72 Dumfries. "frequent."
- 80 Roxburgh.
- 81 Berwick.
- 82 Haddington. Brand sp.
- 83 Edinburgh! Balfour cat.
- 85 Fife! Syme cat.
- 90 Forfar.
- 91 Kincardine. Syme "sp."
[58 Chester; Dick. Lp. flo].

135 *Viola* *sylvatica*.

V. canina, Sm.

Counties all, except 51 60 and the usual nine; in all of

which doubtless it occurs.
This distribution may be
taken to represent that of
the more usual segregate,
Riviniiana.

135 Viola
Reichenbachiana.

- 1 Corn. west.
 - 2 east. Briggs cat.
 - 3 Devon south. Briggs cat.
 - 4 north !
Somerset... ?
 - 7 Wilts north. Preston ms.
 - 8 south ?
 - 9 Dorset. Pleydell cat.
 - 10 Wight. More sp.
 - 13 Sussex west. Syme ms.
 - 17 Surrey !
 - 21 Middlesex ?
 - 22 Berks ! Britten cat.
 - 24 Bucks. Britten cat.
 - 29 Cambridge. Babington sp.
 - 33 Gloster east.
 - 38 Warwick. Kirk sp.
 - 50 Denbigh. Stratton ms.
 - 58 Chester ! Robinson sp.
 - 62 York n. east. Baker sp.
 - 66 Durham.
- N.B. Probably will be found
in many other counties.

135 Viola
arenaria.

- 66 Durham.
- 69 Westm. Backhouse ms.

135 Viola
canina, Bab.
V. flavicornis, Sm.

- 1 Corn. west.
- 2 east. Briggs cat.
- 3 Devon south. Parfitt sp.
- 4 north !
- 5 Som. south. Collins ms.
- 6 north. Trevelyan sp.

- 7 Wilts north.
- 8 south.
- 9 Dorset. Pleydell sp.
- 10 Wight. More sp.
- 11 Hants south ! Bromf. sp.
- 12 north !
- 13 Sussex west. Borrer cat.
- 14 east ! Coleman cat.
- 15 Kent east. Smith cat.
- 16 west. Stevens sp.
- 17 Surrey !
- 18 Essex south.
- 19 north. Varenne sp.
- 20 Herts.
- 21 Middlesex.
- 22 Berks ! Hurst ms.
- 24 Bucks.
- 25 Suffolk east. Stock cat.
- 26 west. "Borrer."
- 27 Norfolk east. Paget sp.
- 28 west. Notcutt sp.
- 29 Cambridge. Douglas sp.
- 31 Hunts !
- 36 Hereford. Purchas sp.
- 37 Worcester.
- 38 Warwick. Bagnall ms.
- 39 Stafford. Douglas sp.
- 40 Salop.
- 41 Glamorgan. "arenaria."
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Purchas ms.
- 52 Anglesea. Babington.
- 53 Lincoln south !
- 55 Leicester. Coleman cat.
- 58 Chester ! Brent sp.
- 59 Lanc. south. Sansom sp.
- 62 York n. east. Baker cat.
- 63 s. west. Leyland sp.
- 64 m. west.
- 65 n. west. Ward cat.
- 66 Durham.
- 67 Northumberland.
- 69 Westmoreland !
- 70 Cumberland ! Oliver sp.
- 71 Man. Forbes sp.

- 76 Renfrew. Galt ms.
 77 Lanark. Galt ms.
 78 Peebles. Maughan sp.
 82 Haddington. Balfour cat.
 83 Edinburgh. Tyacke sp.
 84 Linlithgow.
 85 Fife. Lawson ms.
 86 Stirling. Galt ms.
 87 Perth west.
 90 Forfar. Gardiner sp.
 91 Kincardine.
 92 Aber. south! Dickie cat.
 94 Banff.
 00 Clyde-isles. Henedy cat.
 09 Caithness. Brown cat.

N.B. This violet and the 'sylvatica' have been so much confused together under the common name of 'canina,' that the exact severance of their localities, as recorded in books, is now impossible. Perhaps the present species will be found as widely diffused as is the 'sylvatica,' although certainly less frequent. Often confused with the distinct 'lactea,' through looking to the shape of leaf, instead of the flowers.

135 Viola

lactea.

- 1 Corn. west. Cunnack sp.
 2 east. Briggs sp.
 3 Devon south. Briggs sp.
 11 Hants south!
 14 Sussex east. Carr sp.
 16 Kent west. More sp.
 22 Berks!
 [8 9 10 27 29 31 50 58
 78, all or mostly errors; no specimens have been seen by me from any of these counties].

135 Viola

stagnina.

- 29 Cambridge. Henslow sp.
 31 Hunts. "Babington."
 53 Lincoln. Nicholson sp.
 [1 2 63; confused with 'lactea' in these counties].

136 Viola

tricolor.

arvensis.

Counties all, except 97 107 and the usual nine, under one or other of the two names. *V. arvensis* is reported from 1 to 112 inclusively, but with several of the intervening counties still in blank. The plant of arable lands has flowers ranging from the apetalous state to that with large party-coloured petals full twice the length of the calyx; and this so gradually that any hard line of distinction becomes impossible. The plant of untilled lands, with yellow or party-coloured flowers and sub-perennial root, might possibly be kept apart as "eu-tricolor." But that is not the distinction made by botanists in their applications of the two names; so that "eu-tricolor" of some collectors is "arvensis" of other botanists, and *vice versa*.

136 (137) Viola

Curtisii.

- 1 Cornwall west?
 4 Devon north! Maw sp.
 44 Carmarthen. Motley cat.

- 52 Anglesea. Babington ms.
 58 Chester! Sansom sp.
 59 Lanc. south. Webb cat.
 75 Ayr. Galt ms. 1870.
 00 Cumbrae. Galt ms.

136 (137) Viola
lutea.

- 1 Cornwall west?
 3 Devon south?
 35 Monmouth. Conway cat.
 36 Hereford. Miss Bell sp.
 39 Stafford. Bloxam ms.
 40 Salop. Lees sp.
 41 Glamorgan.
 42 Brecon. Turner ms.
 43 Radnor. Atwood ms.
 44 Carmarthen.
 45 Pembroke. Babington sp.
 46 Cardigan. Attwood sp.
 47 Montgomery.
 48 Merioneth.
 49 Carnarvon.
 50 Denbigh!
 51 Flint.
 56 Notts.
 57 Derby!
 58 Chester.
 59 Lanc. south?
 62 York n. east. Baker sp.
 63 s. west. Leyland sp.
 64 m. west. Tatham sp.
 65 n. west.
 66 Durham. Leefe sp.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton sp.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 71 Man.
 72 Dumfries.
 73 Kirkeudbright.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 78 Peebles.
 80 Roxburgh. Duncan cat.

- 81 Berwick.
 82 Haddington.
 83 Edinburgh! Syme cat.
 84 Linlithgow. Balfour cat.
 85 Fife! Syme cat.
 86 Stirling. Tyacke sp.
 87 Perth west. Syme cat.
 88 mid!
 89 east!
 90 Forfar!
 92 Aber. south! Dickie cat.
 94 Banff.
 96 Easterness!
 97 Westerness!
 99 Dunbarton Ch. Bab. ms.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Islay. Balfour cat.
 06 Ross east. Gordon cat.
 10 Hebrides.

138 Drosera
rotundifolia.

Counties all, except 7 33 34
 46 49 51 60 84 86 107;
 in some of these doubtless
 seen by myself in years
 long past.

139 Drosera
intermedia.

- 1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north?
 6 Som. north. Collins ms.
 8 Wilts south. Flower cat.
 9 Dorset. Pleydell cat.
 11 Hants south! Notcutt cat.
 12 north!
 14 Sussex east. Coleman cat.
 17 Surrey! Ellis ms.
 22 Berks!
 24 Bucks. Hurst ms.
 25 Suffolk east.
 26 west.

- 27 Norf. east. Woodward sp.
 28 west.
 29 Cambridge. Extinct.
 30 Bedford.
 31 Hunts. Bree sp.
 34 Gloster west.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 46 Cardigan.
 49 Carnarvon.
 50 Denbigh.
 52 Anglesea.
 54 Lincoln north.
 55 Leicester.
 56 Notts.
 58 Chester. Henfrey sp.
 59 Lanc. south. Webb cat.
 62 York n. east. "sp." Baker.
 69 Westmoreland! Ball sp.
 70 Cumberland.
 72 Dumfries. Gray sp.
 73 Kirkcudbright?
 75 Wigton?
 97 Westerness. Ch. Bab. sp.
 99 Dunbarton.
 02 Eb. south. Balfour sp.
 04 north. Lawson cat.
 09 Caithness. Brown cat.

[21 61 63 64 65 67 68 76
 85 92 100 111 112; pos-
 sibly two or three of these
 may be correct, and two or
 three of the named counties
 be erroneous. Much con-
 fusion between the plants
 through use of the name
 'longifolia' for either].

140 *Drosera*

anglica.

- 8 Devon south. Russell ms.
 5 Som. south. Parfitt ms.
 9 Dorset. Pleydell ms.
 11 Hants south? "Curtis," etc.
 Sussex?

- 25 Suffolk east. Skepper ms.
 26 west.
 27 Norf. east. Marsham sp.
 28 west. Notcutt cat.
 29 Cambridge. Extinct.
 30 Bedford.
 31 Hunts. Newbould cat.
 40 Salop. Bowman sp.
 41 Glamorgan.
 58 Chester. Bowman ms.
 59 Lanc. south. Leyland sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 65 n. west.
 67 Northumb. Bowman sp.
 69 Westmoreland.
 70 Cumberland.
 72 Dumfries. Gray sp.
 75 Ayr. Hooker sp.
 77 Lanark. Henedy cat.
 81 Berwick. Extinct?
 85 Fife. Prof. Balfour ms.
 92 Aber. south! Dickie sp.
 95 Elgin. Gordon cat.
 96 Easterness. Stables sp.
 97 Westerness!
 98 Argyle. Hooker sp.
 99 Dunbarton?

- 00 Clyde-isles. "T. Bell" sp.
 02 Eb. south. Balfour cat.
 03 mid!
 04 north. Lawson cat.
 06 Ross east. Ch. Bab. ms.
 07 Suth. east. Graham sp.
 08 west! Greville sp.
 09 Caithness. Macnab sp.
 10 Hebrides.
 11 Orkney. Syme sp.
 12 Shetland? "longifolia."
 [1 6 etc. not sufficiently
 testified].

141 *Polygala*

vulgaris.

Counties all, except 46 51 60

86 98 99 and the usual nine; either "vulgaris" or "depressa" doubtless is to be found in all the counties.

141 Polygala eu-vulgaris.

- 2 Cornwall east. Briggs cat.
 - 3 Devon south!
 - 10 Wight!
 - 13 Sussex west!
 - 16 Kent west!
 - 17 Surrey!
 - 21 Middlesex?
 - 22 Berks. Britten cat.
 - 29 Cambridge! Harris sp.
 - 52 Anglesea!
 - 59 Lanc. south?
 - 66 Durham. Bowman sp.
 - 69 Westmoreland!
 - 70 Cumberland! Baker cat.
 - 12 Shetland? Tate cat.
- N.B. This segregate will likely be found in many other counties; but few collectors really distinguish it from 'depressa;' and the 'oxyptera' comes in between them even more dubiously.

141 Polygala oxyptera.

- 1 Cornwall. Ch. Bab. ms.
- 3 Devon south.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset.
- 14 Sussex east. Borrer ms.
- 29 Cambridge. Syme, "ciliata."
- 41 Glamorgan.
- 58 Chester.
- 59 Lanc. south. Fisher sp.
- 65 York n. west? Ward cat.
- 67 Northumberland.
- 71 Man?

141 Polygala depressa.

- 3 Devon south. Briggs sp.
 - 9 Dorset. Pleydell cat.
 - 10 Wight!
 - 11 Hants south!
 - 12 north. Baker cat.
 - 13 Sussex west. Borrer cat.
 - 17 Surrey!
 - 18 Essex south.
 - 21 Middlesex.
 - 22 Berks!
 - 23 Oxford. Beesley cat.
 - 24 Bucks. Britten cat.
 - 26 Suff. west. "ciliata var."
 - 28 Norfolk west. Notcutt sp.
 - 58 Chester.
 - 59 Lanc. south. Webb cat.
 - 61 York s. east.
 - 62 n. east.
 - 63 s. west.
 - 64 m. west.
 - 65 n. west.
 - 66 Durham.
 - 67 Northumberland.
 - 68 Cheviotland.
 - 69 Westmoreland.
 - 81 Berwick.
 - 83 Edinburgh!
 - 85 Fife.
 - 09 Caithness. Brown cat.
 - 12 Shetland. Tate sp.
- N.B. Counties far from being fully ascertained; this is likely the most frequent of the three segregates.

141 Polygala calcarea.

- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- Sussex. Borrer cat. co.
- 16 Kent west. Christy sp.
- 17 Surrey! Syme sp.
- 22 Berks. Syme sp.

- 23 Oxford. Duthie sp.
 33 Gloster east. Stephens sp.
 44 Carmarthen? Motley ms.
 [1 Scilly Isles? A single
 specimen found there by
 Mr. Townsend].

141 Polygala
austriaca.
uliginosa.

- 15 East Kent. Duthie sp.
 65 N.W. York. Backhouse!

142 Frankenia
lævis.

- 10 Wight! More sp.
 11 Hants south. Macreight sp.
 13 Sussex west.
 14 east.
 15 Kent east! Wardale sp.
 18 Essex south.
 19 north. Warner sp.
 25 Suffolk east. Stock sp.
 27 Norf. east. Babington sp.
 28 west. Miss Bell sp.
 29 Cambridge?
 66 *Durham*. "ballast hills."
 (1 Cornwall; planted).

143 Elatine
hexandra.

- 1 Corn. west. Crotch sp.
 14 Sussex east.
 17 Surrey! Salmon sp.
 22 Berks.
 38 Warwick. Lloyd sp.
 40 Salop. Hind sp.
 49 Carnarvon. Hort sp.
 52 Anglesea. Babington sp.
 55 Leicester. Ch. Bab. sp.
 58 Chester. Hardy sp.
 87 Perth west.
 91 Kincardine. Syme sp.
 92 Aber. south? Callater?
 01 Clyde-isles.

144 Elatine
hydropiper.

- 17 Surrey. Salmon sp.
 37 Worcester. Irvine sp.
 52 Anglesea. Hooker sp.

145 Dianthus
prolifer.

- 10 Wight. Bromfield sp.
 11 Hants south. Stratton sp.
 13 Sussex west. Borrer ms.
 22 Berks.
 27 Norfolk east.
 28 west.
 [3 21 37; and perhaps ex-
 tinct in some of the other
 counties].

146 Dianthus
Armeria.

- 1 Cornwall west.
 3 Devon south.
 4 north.
 8 Wilts south. Miss Bell ms.
 9 Dorset.
 10 Wight. Extinct?
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 16 west. Dennes ms.
 17 Surrey! Ellis sp.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Warner sp.
 21 Middlesex.
 22 Berks.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock ms.
 26 west.
 27 Norfolk east. Bloxam ms.
 28 west.
 36 Hereford. Shawe sp.
 37 Worcester.

- 38 Warwick. Lloyd sp.
 39 Stafford.
 40 Salop.
 41 Glamorgan.
 52 Anglesea.
 58 Chester. "Miss Potts."
 59 Lanc. south.
 62 York n. east. "Ibbotson."
 63 s. west. Newb. ms.
 66 Durham.
 70 Cumberland.
 83 Edinburgh. Balfour cat.*
 89 Perth east. Brand sp.
 90 Forfar.
 N.B. Remarkably uncertain
 or temporary in its locali-
 ties; perhaps scarcely better
 than a casual in some of the
 counties named above].

149 Dianthus
cæsius.

- 6 North Somerset. Christy sp.
 (23 83). [32 34 53 69].

150 Dianthus
deltoides.

- 3 Devon south. Poole ms.
 6 Som. north. Thwaites cat.
 13 Sussex west.
 15 Kent east?
 17 Surrey. Twining sp.
 19 Essex north. Varenne cat.†
 20 Herts.
 21 Middlesex. Extinct?
 24 Bucks.
 25 Suffolk east?
 26 west.
 27 Norf. east.
 28 west. Wardale sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 34 Gloster west. Thwaites cat.
 37 Worcester.
 39 Stafford.
 40 Salop. Leighton cat.

- 48 Merioneth. Butler sp.
 49 Carnarvon. Bowman ms.
 50 Denbigh. Bowman cat.
 55 Leicester.
 56 Notts.
 57 Derby.
 58 Chester. "H. E. Smith sp."
 59 Lanc. south. Webb. cat.
 61 York s. east.
 62 n. east. Spruce sp.
 64 m. west? Biden sp.
 66 Durham.
 67 Northumberland.
 68 Cheviotland.
 69 Westmoreland.
 75 Ayr. Duncan cat.
 77 Lanark. "Mr. Dunlop."
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 85 Fife. Syme sp.
 87 Perth west.
 90 Forfar.
 91 Kincardine. Mrs. Dickson.
 96 Easterness. Stables sp.
 (10) [36 70 95 101 106
 112].

151 Saponaria
officinalis.

N.B. On record for nearly
 all the counties of England,
 and for several in Wales
 and Scotland; but almost
 invariably reported by re-
 liable collectors as an intro-
 duced plant.

152 Silene
inflata.

Counties all, except 46 49 86
 88 97 98 99 101 104 107
 108 110 [111] 112. Caith-
 ness, possibly introduced;
 Brown cat.

153 Silene**maritima.**

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north. Collins ms.
- 9 Dorset. Twining sp.
- 10 Wight. More cat.
- 11 Hants south! Notcutt cat.
- 13 Sussex west. Borrer ms.
- 15 Kent east. Twining sp.
- 18 Essex south. Varenne ms.
- 19 north. Varenne ms.
- 25 Suff. east. Notcutt sp.
- 27 Norf. east.
- 28 west.
- 35 Monmouth. Conway cat.
- 41 Glamorgan.
- 42 Brecon. "2800 feet."
- 45 Pembroke. Babington cat.
- 46 Cardigan. Purchas ms.
- 49 Carnarvon!
- 50 Denbigh. Bowman cat.
- 52 Anglesea!
- 58 Chester. Warren cat.
- 60 Lanc. west. Syme sp.
- 62 York n. east.
- 64 m. west. Tatham cat.
- 65 n. west. Ward sp.
- 66 Durham.
- 67 Northumb. Oliver sp.
- 68 Cheviot. Embleton sp.
- 69 Westmoreland.
- 70 Cumberland! Bailey sp.
- 71 Man. Forbes cat.
- 72 Dumfries. Gray cat.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.
- 77 Lanark. Hooker sp.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh. Balfour cat.
- 84 Linlithgow! Balfour cat.
- 85 Fife. Syme cat.

- 90 Forfar. Croall sp.
 - 91 Kincardine. Syme cat.
 - 92 Aber. south. Dickie cat.
 - 93 north. Dickie flo.
 - 94 Banff.
 - 95 Elgin. Gordon cat.
 - 96 Easternness!
 - 97 Westernness!
 - 98 Argyle. Church. Bab. ms.
 - 99 Dunbarton. Hooker sp.
 - 00 Clyde-isles. Hennedy cat.
 - 01 Cantire. Balfour cat.
 - 02 Eb. south. Balfour cat.
 - 03 mid. Ch. Bab. ms.
 - 04 north. Lawson cat.
 - 06 Ross east! Gordon cat.
 - 08 Suth. west!
 - 09 Caithness. Brown cat.
 - 10 Hebrides.
 - 11 Orkney. Gillies herb.
 - 12 Shetland. Tate sp.
- N.B. The technical distinctions between this plant and the preceding are very slight, yet seeming constant, and under varied conditions of garden culture during several successive descents.

154 Silene**Otites.**

- 20 Suff. west. Bunbury sp.
 - 28 Norf. west. Wardale sp.
 - 29 Cambridge. Babington ms.
- [46 62]. (66).

155 Silene**anglica.**

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.†
- 3 Devon south. Briggs cat.†
- Somerset.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Miss Twining sp.
- 10 Wight. More cat.

- 11 Hants south!
- 12 north!
- 13 Sussex west.
- 14 east.
- 14 Kent east. Smith cat.
- 17 Surrey! Ellis ms.
- 19 Essex north. Varenne sp.
- 20 Herts.
- 21 Middlesex?
- 22 Berks!
- 24 Bucks.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east.
- 28 west. Bell sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 32 Northton. Notcutt cat.
- 36 Hereford. "Wilmott."
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Mrs. Russell sp.
- 48 Merioneth.
- 42 Carnarvon.
- 52 Anglesea.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 58 Chester!
- 59 Lanc. south. Webb cat.
- 61 York s. east.
- 62 n. east. Foggitt sp.
- 63 s. west. Lees cat.
- 71 Man. Forbes cat.
- 75 Ayr.
- 82 Haddington. Balfour cat.*
- 83 Edinburgh.
- 85 Fife. Dewar sp.
- 88 Perth mid.
- 90 Forfar.
- 95 Elgin. Gordon cat.†
- 96 Easternness. Stables cat.
(66 67 "ballast hills").

156 *Silene nutans*.

- 3 Devon south.
- 8 Wilts south?
- 10 Wight. More sp.
- 15 Kent east. Smith cat.
- 39 Stafford?
- 40 Salop?
- 49 Carnarvon. Bowman ms.
- 50 Denbigh. Bowman ms.
- 51 Flint. Bowman ms.
- 56 Notts. Eddison sp.
- 57 Derby! Ch. Bab. sp.
- 85 Fife. Maughan sp.
- 90 Forfar. Gardiner sp.
- 91 Kincardine. Mrs. Dickson.
(20 55 70). [2 6 11 17
32 64 111].

156 *Silene italica*.

- 16 West Kent. Syme sp.
- 29 Cambridge. Barton sp.
- 83 Edinburgh. Evans sp.

157 *Silene noctiflora*.

- 15 Kent east. Smith cat.
- 18 Essex south.
- 19 north. Christy sp.
- 20 Herts. Brown sp.
- 22 Berks. Britten cat.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east. Stock ms.
- 28 west. Bell sp.
- 29 Cambridge.
- 30 Bedford.
- 31 Hunts! Newbould cat.
- 32 Northton!
- 36 Hereford. Purchas ms.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 54 Lincoln north. Britten cat.

- 56 Notts.
 57 Derby. Church. Bab. sp.
 62 York n. east. Baker sp.
 63 s. west.
 64 m. west.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumb. "colonist."
 68 Cheviotland. "colonist."
 82 Haddington. Syme sp.
 85 Fife. Dewar sp. Syme cat.
 87 Perth west.
 90 Forfar.
 (8 10 14 17 21 39 55 59
 61 81 83; some of these
 counties perhaps through
 misnomers).

158 *Silene****conica.***

- 15 Kent east! Smith cat.
 26 Suff. east. Bunbury sp.
 27 Norf. east. Stock ms.†
 28 west. Wardale sp.
 82 Haddington. Macnab sp.
 90 Forfar. Reid sp. Croall sp.
 (22 67 95). [37 39].

159 *Silene****acaulis.***

- 49 Carnarvon! Leefe sp.
 69 Westmoreland.
 70 Cumberland!
 86 Stirling. Hooker sp.
 88 Perth mid!
 89 east.
 90 Forfar!
 92 Aber. south! Dickie cat.
 94 Banff.
 96 Easterness.
 97 Westerness!
 98 Argyle. Gordon ms.
 99 Dunbarton.
 03 Eb. mid.
 04 north. Lawson cat.
 05 Ross west. Graham sp.

- 08 Sutherland west?
 10 Hebrides.
 11 Orkney. Syme sp.
 12 Shetland. Tate sp.

160 *Lychnis****alpina.***

- 70 Cumberland. Oliver sp.
 90 Forfar. J. Macnab sp.

161 *Lychnis****Viscaria.***

- 43 Radnor. Purchas ms.
 47 Montgomery. Bowman sp.
 73 Kirkcudbright.
 80 Roxburgh. Duncan cat.
 83 Edinburgh! Brand sp.
 85 Fife. Syme cat.
 86 Stirling. Gourlie sp.
 89 Perth east.
 90 Forfar.

162 *Lychnis****Flos-cuculi.***

- Counties all, except 46 49 51
 97; in all of which doubt-
 less it does occur.

163 *Lychnis****diurna.***

- Counties all, except 31 86 97
 98 107 109. Possibly it
 may be absent from 31,
 Huntingdon. Just within
 the county of Cambridge;
 Prof. Babington ms.

164 *Lychnis****vespertina.***

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.†
 3 Devon south. Briggs cat.
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts south. Flower cat.

- 8 Wilts north. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north!
- 13 Sussex west. Borrer cat.
- 14 east! Coleman cat.†
- 15 Kent east!
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex!
- 22 Berks!
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suff. east. Purchas ms.
- 26 west.
- 27 Norf. east.
- 28 west. Wardale sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts! Newbould cat.
- 32 Northton! Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 36 Hereford. Purchas cat.
- 38 Warwick. Kirk cat.
- 39 Stafford! Douglas cat.
- 40 Salop. Leighton cat.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 51 Flint!
- 52 Anglesea.
- 53 Lincoln south!
- 54 north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby.
- 58 Chester! Warren cat.
- 59 Lanc. south. Webb cat.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Tatham cat.

- 65 York n. west. Ward cat.
- 66 Durham. Norman cat.
- 67 Northumb. Storey sp.
- 68 Cheviot. Embleton cat.
- 69 Westmoreland!
- 70 Cumberland. Oliver sp.
- 72 Dumfries. Gray cat.
- 73 Kirkcudbright. Gray cat.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.
- 77 Lanark. Hennedy cat.
- 81 Berwick.
- 82 Haddington.
- 83 Edinburgh! Balfour cat.
- 85 Fife. Syme cat.
- 86 Stirling!
- 87 Perth west!
- 89 east!
- 90 Forfar.
- 91 Kincardine. Dickson ms.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 94 Bank.
- 06 Ross east!†

165 *Lychnis*

Githago.

- Counties all, except 45 46 49
 51 60 69 86 88 97 98
 104 107 108 109† 110
 112†.

166 *Moenchia*

erecta.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 5 Som. south. Coleman cat.
- 6 north. Stephens sp.
- 7 Wilts north. Preston v. sp.
- 9 Dorset. Mansel cat.
- 10 Wight. More cat.
- 11 Hants south! Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.

- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey! Ellis ms.
- 18 Essex south. Sansom sp.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east. Stock cat.
- 28 west. Bell sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 32 Northton.
- 34 Gloster west. Thwaites cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick.
- 39 Stafford.
- 40 Salop. Leighton cat.
- 43 Radnor.
- 47 Montgomery. Bowman ms.
- 49 Carnarvon!
- 52 Anglesea!
- 55 Leicester.
- 56 Notts.
- 57 Derby. Howitt cat.
- 58 Chester! Warren cat.
- 59 Lanc. south. Webb cat.
- 63 York s. west.
- 66 Durham.
- 68 Cheviotland. Tate sp.

167 Sagina

apetala.

Counties all, except 35 48 60
 69 70 72 73 86 87 88
 [97] 98 99 102 107. It
 is now impossible to appor-
 tion the recorded counties
 precisely among the three
 segregates treated under-
 neath. *S. maritima* has

been longer known, and
 thus more often recorded
 distinctly; though several
 of its alleged localities may
 be held to require verifi-
 cation. *S. ciliata* is per-
 haps more frequent than *S.*
apetala (seg.) and extends
 farther northward.

167 Sagina

maritima.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north.
- 5 Som. south. Coleman cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south.
- 13 Sussex west. Brewer sp.
- 18 Essex south.
- 19 north. Varenne ms.
- 25 Suff. east. Coleman ms.
- 27 Norfolk east. Barnard sp.
- 28 west.
- 29 Cambridge.
- 41 Glamorgan. Withers sp.
- 44 Carmarthen. Motley cat.
- 45 Pembroke.
- 46 Cardigan.
- 49 Carnarvon. Hunt sp.
- 50 Denbigh.
- 51 Flint. Bowman sp.
- 52 Anglesea.
- 58 Chester.
- 59 Lanc. south! Fisher sp.
- 62 York n. east. Baker sp.
- 66 Durham. Norman cat.
- 67 Northumb. Storey sp.
- 68 Cheviot. Embleton sp.
- 71 Man. Forbes cat.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.
- 82 Haddington.
- 83 Edinburgh! Balfour sp.

- 84 Linlithgow. Macnab sp.
 85 Fife. Syme, "genuina."
 90 Forfar.
 91 Kincardine.
 92 Aber. south. Dickie sp.
 93 north.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness. Stables cat.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 03 Eb. mid. Ch. Bab. ms.
 04 north. Ch. Bab. ms.
 06 Ross east. Campbell sp.
 08 Suth. west?
 09 Caithness. Brown cat.
 10 Hebrides.
 11 Orkney. Syme sp.
 12 Shetland. Tate sp.
 [81 Berw. 97 Ben Nevis].

167 Sagina apetala!

- 1 Cornwall west.
 3 Devon south.
 6 Somerset north!
 10 I. of Wight!
 11 Hants south!
 13 Sussex west.
 17 Surrey!
 21 Middlesex.
 22 Berks!
 24 Bucks. Britten cat.
 34 Gloster west!
 36 Hereford. Purchas sp.
 47 Montgomery.
 54 Lincoln north!
 59 Lanc. south.
 62 York n. east.
 64 m. west.
 66 Durham.
 67 Northumberland.
 68 Cheviotland.
 81 Berwick. Eng. bot. ed. 3.
 N.B. Very doubtful farther
 north, as yet. The example

from Montgomery was sent to the Exchange Club labelled as "*Arenaria tenuifolia*;" and there are grounds for suspecting that *S. ciliata* also has been occasionally so misreported.

168 Sagina ciliata.

- 1 Corn. west.
 2 east. Briggs ms.
 3 Devon south. Briggs sp.
 5 Som. south. Coleman cat.
 6 north?
 9 Dorset. Pleydell cat.
 10 Wight. More sp.
 11 Hants south.
 12 north!
 13 Sussex west. Borrer cat.
 17 Surrey! Syme sp.
 18 Essex south.
 19 north.
 20 Herts. Barnard sp.
 21 Middlesex!
 22 Berks!
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west. Newbould ms.
 27 Norf. east. Barnard sp.
 28 west. Newbould ms.
 29 Cambridge. Hort sp.
 38 Warwick. Bagnall ms.
 47 Montgom. Warren sp.
 56 Notts.
 59 Lanc. south.
 61 York s. east.
 62 n. east.
 64 m. west.
 67 Northumberland.
 68 Cheviotland. Tate ms.
 77 Lanark?
 81 Berwick.
 83 Edinburgh. Syme sp.
 85 Fife. Syme sp.
 91 Kincardine. Roy ms.

- 92 Aber. south. Dickie sp.
94 Banff. Roy, "sent to me."

168 Sagina
procumbens.

Counties all, except only the usual nine.

169 Sagina
saxatilis.
Spergula
saginoides.

- 88 Perth mid! Ball sp.
90 Forfar!
92 Aber. south! Dickie cat.
96 Easternness!
08 Suth. west. Stables sp.
[36 75 111].

169 Sagina
subulata.
Spergula
subulata.

- 1 Corn. west. Gibson ms.
2 east. Briggs cat.
3 Devon south. Briggs cat.
4 north!
6 Som. north. Coleman cat.
9 Dorset. Pleydell cat.
10 Wight. More cat.
✓ 11 Hants south! Russell sp.
12 north!
14 Sussex east. Coleman cat.
15 Kent east?
17 Surrey! Ellis sp.
21 Middlesex?
22 Berks!
24 Bucks?
27 Norfolk east.
28 west.
32 Northton?
39 Stafford.
45 Pembroke. Babington sp.
49 Carnarvon. Winch ms.
50 Denbigh.
52 Anglesea!

- 58 Chester. Webb sp.
61 York s. east?
62 n. east.
67 Northumberland?
68 Cheviot. Richardson sp.
71 Man. Jowett sp.
76 Renfrew. Hennedy cat.
77 Lanark. Hooker sp.
81 Berwick.
83 Edinburgh! Balfour cat.
84 Linlithgow.
85 Fife.
87 Perth west!
89 east!
90 Forfar. Brand sp.
91 Kincardine. Syme cat.
92 Aber. south. Dickie cat.
94 Banff.
95 Elgin. Gordon cat.
96 Easternness! Stables cat.
98 Argyle.
69 Dunbarton.
00 Clyde-isles. Hennedy cat.
01 Cantire. Balfour cat.
02 Eb. south. Balfour cat.
03 mid. Syme sp.
04 north. Lawson cat.
08 Suth. west. Johnston ms.
10 Hebrides.
12 Shetland.

170 Sagina
nivalis.

- 88 Mid Perth. Balfour sp.
99 Dunbarton? or Argyle?
[90 Man. ed 3. 104 Brit.
flo. ed. 8].

171 Sagina
nodosa.
Spergula
nodosa.

- 1 Corn. west! Cunnaack cat.
2 east. Pascoe cat?"
3 Devon south?
4 north! Maw cat.

- | | |
|-------------------------------|-------------------------------|
| 6 Som. north. | 64 York m. west. Twining sp. |
| 7 Wilts north. Preston v. sp. | 65 n. west. Ward cat. |
| 8 south. Flower cat. | 66 Durham. Norman cat. |
| 9 Dorset. Pleydell cat. | 67 Northumb. Storey sp. |
| 10 Wight! More cat. | 68 Cheviot. Embleton cat. |
| 12 Hants north. | 66 Westmoreland! |
| 13 Sussex west. | 70 Cumberland. |
| 14 east. | 72 Dumfries. Gray cat. |
| 15 Kent east. Smith cat. | 73 Kirkcudbright. Gray cat. |
| 16 west. | 75 Ayr. Duncan cat. |
| 17 Surrey! | 76 Renfrew. Hennedy cat. |
| 18 Essex south. | 77 Lanark. Hooker sp. |
| 20 Herts. | 80 Roxburgh. Duncan cat. |
| 21 Middlesex! | 81 Berwick. |
| 22 Berks. | 82 Haddington. Balfour cat. |
| 23 Oxford. | 83 Edinburgh. Balfour cat. |
| 24 Bucks. | 85 Fife. Syme cat. |
| 25 Suffolk east. | 87 Perth west. Syme cat. |
| 26 west. | 88 mid! |
| 27 Norf. east. Stock ms. | 89 east! |
| 28 west. Cooper sp. | 90 Forfar. |
| 29 Cambridge. Babington cat. | 91 Kincardine. Dickson ms. |
| 30 Bedford. | 92 Aber. south. Dickie cat. |
| 33 Gloster east? | 94 Banff. |
| 36 Hereford. Purchas cat. | 95 Elgin. Gordon cat. |
| 37 Worcester. | 96 Easterness! Stables cat. |
| 38 Warwick. Kirk cat. | 98 Argyle. |
| 39 Stafford. | 99 Dunbarton. |
| 40 Salop. Bowman sp. | 00 Clyde-isles. Hennedy cat. |
| 41 Glamorgan. | 01 Cantire. Balfour cat. |
| 44 Carmarthen. Motley ms. | 02 Eb. south. Balfour cat. |
| 45 Pembroke. Babington cat. | 04 north. Lawson cat. |
| 46 Cardigan. | 06 Ross east! Gordon cat. |
| 48 Merioneth. | 09 Caithness. Brown cat. |
| 51 Flint! | 10 Hebrides. Gillies herb. |
| 52 Anglesea. | 11 Orkney. Tate sp. |
| 53 Linc. south! | 12 Shetland. |
| 55 Leicester. | N.B. This would appear to |
| 56 Notts. | rank among the "common |
| 57 Derby. Howitt cat. | plants" by its wide and |
| 58 Chester! Warren cat. | nearly general distribution; |
| 59 Lanc. south. | but its localities are rather |
| 60 west. Syme sp. | dotted over the island, than |
| 61 York s. east. | really continuous like those |
| 62 n. east. Baker cat. | of the Daisy and other more |
| 63 s. west. | truly common species. |

172 Spergula**arvensis.**

Counties all, except 35 49 60
and the usual nine; no doubt
to be found in all these dozen
seeming vacancies.

173 Honkeneja**peploides.**

- 1 Corn. west! Cunnack cat.
- 2 east. Goulding sp.
- 3 Devon south. Gissing sp.
- 4 north.
- 6 Som. north. Thwaites sp.
- 9 Dorset. Pleydell cat.
- 10 Wight! Twining sp.
- 11 Hants south.
- 13 Sussex west.
- 15 Kent east! Smith cat.
- 18 Essex south.
- 19 north. Hall sp.
- 25 Suffolk east. Purchas ms.
- 27 Norfolk east. Paget sp.
- 28 west.
- 41 Glamorgan. Lees sp.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Purchas ms.
- 48 Merioneth. Gibson ms.
- 49 Carnarvon. Bloxam ms.
- 50 Denbigh. Bowman ms.
- 52 Anglesea.
- 53 Lincoln south.
- 54 north! Howitt sp.
- 58 Chester!
- 59 Lanc. south! Webb cat.
- 60 west.
- 61 York s. east.
- 62 n. east. Baker cat.
- 66 Durham. Norman cat.
- 67 Northumb. Storey sp.
- 68 Cheviot. Embleton cat.
- 70 Cumberland.
- 71 Man. Forbes cat.
- 73 Kirkcudbright. Gray cat.
- 75 Ayr. Duncan cat.

- 76 Renfrew. Hennedy cat.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh! Balfour cat.
- 84 Linlithgow. Balfour cat.
- 85 Fife. Syme cat.
- 87 Perth west. Syme cat.
- 90 Forfar.
- 91 Kincardine. Syme cat.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 94 Banff.
- 95 Elgin. Gordon cat.
- 96 Easterness. Stables cat.
- 98 Argyle.
- 99 Dunbarton. Hooker sp.
- 00 Clyde-isles. Hennedy cat.
- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour cat.
- 04 north. Lawsons cat.
- 06 Ross east. Gordon cat.
- 08 Suth. west!
- 09 Caithness. Brown cat.
- 10 Hebrides.
- 11 Orkney. Syme cat.
- 12 Shetland. Tate sp.

174 Spergularia**marina.****Lepigonum****marinum.**

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Stephens sp.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 13 Sussex west! Syme sp.
- 14 east!
- 15 Kent east! Buckland sp.
- 16 west!
- 18 Essex south
- 19 north.

25 Suffolk east. Purchas sp.
 27 Norfolk east.
 28 west. Cooper sp.
 29 Cambridge.
 34 Gloster west! Thwaites cat.
 37 Worcester.
 39 Stafford.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Purchas ms.
 49 Carnarvon.
 51 Flint!
 52 Anglesea.
 53 Lincoln south! Butler sp.
 54 north! Howitt sp.
 58 Chester! Hunt sp.
 59 Lanc. south! Webb cat.
 60 west.
 61 York s. east.
 62 n. east. Baker sp.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland.
 71 Man. Jowett sp.
 72 Dumfries. Gray cat.
 75 Ayr.
 76 Renfrew. Hennedy cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour cat.
 85 Fife.
 87 Perth west. Syme cat.
 90 Forfar.
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie sp.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness! Stables cat.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 04 north. Lawson cat.

06 Ross east. Gordon cat.
 11 Orkney. Gillies herb.
 12 Shetland. Tate sp.

174 *Spergularia marginata*.

2 Corn. east. Briggs cat.
 3 Devon south. Briggs cat.
 6 Som. north. Stephens sp.
 10 Wight. More.
 13 Sussex west!
 52 Anglesea. Davies.
 58 Chester. Webb.
 59 Lanc. south!
 67 Northumberland.
 76 Renfrew. Hennedy.
 85 Fife. Syme cat.
 00 Clyde-isles. Hennedy cat.
 N.B. Probably found in most
 of the counties indicated
 above for the aggregate
 "marina." I am not able
 clearly to distinguish this
 segregate and the next, al-
 though the extreme ex-
 amples do appear so dif-
 ferent.

174 *Spergularia neglecta*.

1 Corn. west.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north. Maw cat.
 6 Som. north?
 9 Dorset.
 10 Wight.
 13 Sussex west!
 15 Kent east!
 18 Essex south?
 19 north. Varenne ms.
 28 Norf. west.
 29 Cambridge. Babington ms.
 37 Worcester.
 45 Pembroke. Babington cat.
 51 Flint!

- 52 Anglesea.
 53 Lincoln south!
 54 north!
 58 Chester. Hunt. Warren.
 59 Lanc. south. Webb cat.
 60 west?
 61 York s. east?
 62 n. east. Baker ms.
 66 Durham. Norman ms.
 67 Northumberland.
 68 Cheviotland.
 69 Westmoreland.
 85 Syme cat.
 11 Orkney. Syme E.B. ed. 3.

**174 *Spergularia*
rupestris.**

- 1 Corn. west. Bailey sp.
 2 east. Briggs cat.
 3 Devon south. Briggs sp.
 4 north. Maw sp.
 9 Dorset. Boswell-Syme ms.
 10 Wight! More cat.
 49 Carnarvon. Hunt sp.
 52 Anglesea. Windsor sp.
 58 Chester. Webb sp.
 59 Lanc. south. Lewis sp.
 71 Man. Webb ms.
 73 Kirkcudbright.
 N.B. Very little differing from
 some states of "*neglecta*,"
 and perhaps only the same
 thing more advanced in
 age, having survived many
 seasons.

**175 *Spergularia*
rubra.**

- Counties all, except 26 35 47
 51 60 70 73 75 80 86 89
 97 98 101 to 105 107 to
 112.

**177 *Arenaria*
norvegica.**

- 112 Shetland. Tate sp.

[111 Murchison and Peach].

**178 *Arenaria*
serpyllifolia.**

- Counties all, except 35 49 72
 86 88 89 97 98 99 104
 107 109 112; in most of
 these it will be found either
 native or colonist. The
 counties for "*leptoclados*"
 are not here attempted
 apart, because several of the
 specimens which I have seen
 so labelled were simply slender
 states of *serpyllifolia*.
 I have seen the true plant in
 6 10 17 21 and likely in
 other counties, on walls and
 by roadsides, not in corn-
 fields.

**179 *Arenaria*
tenuifolia.**

- 6 Som. north. Collins ms.
 7 Wilts north.
 8 south.
 11 Hants south. More ms.
 12 north.
 14 Sussex east. Smith sp.
 16 Kent west. Bossey sp.
 17 Surrey! Salmon sp.
 19 Essex north.
 20 Herts. Fordham sp.
 21 Middlesex?
 22 Berks. Syme sp.
 23 Oxford.
 24 Bucks. Britten cat.
 26 Suff. west. Duthie sp.
 27 Norf. east. Woodward ms.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Berkeley ms.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 38 Warwick. Bloxam ms.

- 52 Anglesea.
 53 Lincoln south. Bloxam sp.
 62 York n. east.
 63 s. west.
 64 m. west. Baker sp.
 [1 2 3 9 37 39 40 59 83
 35; an old or poor au-
 thority].

180 Arenaria**verna.**

- 1 Corn. west! Bennett sp.
 6 Som. north. Stephens sp.
 39 Stafford.
 42 Brecon?
 49 Carnarvon. Howitt sp.
 50 Denbigh. Bowman cat.
 51 Flint. Bowman sp.
 57 Derby! Howitt cat.
 58 Chester?
 60 Lanc. west.
 63 York s. west?
 64 m. west. Baker sp.
 65 n. west. Leefe sp.
 66 Durham. Baker sp.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland!
 70 Cumberland.
 73 Kirkcudbright?
 81 Berwick.
 83 Edinburgh! Balfour cat.
 88 Perth mid.
 92 Aber. south.
 93 north.
 12 Shetland. Tate cat.
 [32 36 56 77 90; errors
 or insufficiently vouched].

181 Arenaria**rubella.**

- 88 Mid Perth! Hooker sp.
 08 West Suth. Graham exc.
 "On one cliff on Ben Hope,
 Sutherland."

181 Arenaria**uliginosa.****Spergula****stricta.**

- 66 Durham. G. S. Gibson sp.

182 Arenaria**trinervia.**

- Counties all, except 46 49 51
 60 71 75 80 86 88 89
 97 98 101 to 105 107 to
 112; in many of which it is
 likely to occur.

184 Stellaria**nemorum.**

- 35 Monmouth. Watkins sp.
 36 Hereford.
 40 Salop?
 41 Glamorgan?
 48 Merioneth. Butler sp.
 51 Flint?
 57 Derby. Howitt sp.
 58 Chester.
 59 Lanc. south! Goodlad hb.
 62 York n. east.
 63 s. west. Leyland sp.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Storey ms.
 67 Northumb. Storey sp.
 68 Cheviot. Miss Pringle sp.
 69 Westmoreland.
 70 Cumberland.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh.
 81 Berwick. Embleton ms.
 83 Edinburgh! Balfour cat.
 85 Fife?
 86 Stirling.
 87 Perth west. Syme cat.
 88 mid! Campbell sp.

90 Forfar. Roy sp.
 91 Kincardine. Dickie ms.
 94 Banff. "Grant Duff."
 95 Elgin. Gordon cat
 96 Easternness. Stables cat.
 99 Dunbarton. Hooker sp.
 [2 Bot. Soc. Ed. 3 Flo. Dev.
 37 Lees. 38 Bree. 50 Faun.
 Grust. Authorities not satisfactory for a plant which has been confused by collectors with *Cerastium aquaticum* and with nemoral varieties of *Stellaria media*. The ? follows the names of other counties, for which the authority may be rather better, although still scarcely sufficient.

185 *Stellaria media*.

Counties all, except 46 and the usual nine; in all of which no doubt it occurs.

186 *Stellaria Holostea*.

Counties all, except 51 60 86 89 97 98 102 104 107 110 112; likely to occur in all of these, unless 110 and 112 be real exceptions.

187 *Stellaria glauca*.

9 Dorset. Pleydell cat.
 11 Hants south. Bromf. ms.
 12 north. "Newnham."
 13 Sussex west. Borrer cat.
 17 Surrey!
 18 Essex south.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.

24 Bucks. Britten cat.
 25 Suff. east. Paget sp.
 26 west. Hort sp.
 27 Norf. east. Cooper sp.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 40 Salop. Bidwell sp.
 50 Denbigh. Gordon ms.
 52 Anglesea.
 54 Lincoln north. Bogg cat.
 55 Leicester.
 56 Notts.
 58 Chester. Gordon ms.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Ward sp.
 66 Durham.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 70 Cumberland.
 73 Kirkcudbright. Gray cat.
 76 Renfrew. Montgomery.
 77 Lanark. Henneidy cat.
 80 Roxburgh.
 81 Berwick.
 82 Haddington ?
 83 Edinburgh! Balfour cat.
 85 Fife.

[1 2 3 5 or 6 7 14 16 35 37 39, insufficiently vouched. Both *S. uliginosa* and *Holostea* have been misreported as *S. glauca*, partly perhaps through their glaucous-green hue].

188 *Stellaria graminea*.

Counties all, except 49 97 98 102 107 110 and the usual nine; likely to occur in all,

189 Stellaria**uliginosa.**

Counties all, except 31 32 34
 35 49 51 53 60 73 80
 84 86 98 101; simply
 overlooked in these?

190 Stellaria**cerastoides.****Cerastium****trigynum.**

88 Perth mid.
 92 Aber. south! Brand sp.
 94 Banff? "H. C. Watson."
 96 Easternness. Gordon sp.
 97 Westernness! Roy sp.

191 Cerastium**aquaticum.**

2 Cornwall east?
 3 Devon south!
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight More cat.
 12 Hants north!
 13 Sussex west. Borrer cat.
 15 Kent east. Smith cat.
 16 west. Mrs. Atkins sp.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east. Stock ms.
 28 west. Miss Bell ms.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.

32 Northton! Notcutt cat.

33 Gloster east. Prentice cat.

34 west. Thwaites cat.

36 Hereford. Shawe sp.

37 Worcester. Russell sp.

38 Warwick. Kirk cat.

39 Stafford. Bagnall ms.

40 Salop. Leighton cat.

44 Carmarthen. Motley cat.

50 Denbigh. Bowman cat.

51 Flint!

53 Lincoln south!

54 north!

55 Leicester. Bloxam cat.

56 Notts.

57 Derby. Whittaker sp.

58 Chester Bowman ms.

59 Lanc. south?

61 York s. east.

62 n. east. Baker sp.

63 s. west. Lees cat.

64 m. west. Lees cat.

65 n. west.

(66 80). [77 80 90 111].

192 Cerastium**glomeratum.**

Counties all, except 32 46 51
 60 86 97 98 107; in all
 these it is sure to occur.

193 Cerastium**triviale.**

Counties all, except only the
 usual nine.

194 Cerastium**semidecandrum.**

1 Cornwall west?

2 east?

3 Devon south?

5 Som. south. Coleman cat.

6 north.

7 Wilts north. Flower cat.

8 south. Flower cat.

9 Dorset. Pleydell cat.

- 10 Wight! More sp.
 11 Hants south. Notcutt cat.
 13 Sussex west. Borrer cat.
 14 east. Syme ms.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne sp.
 20 Herts. Brown sp.
 21 Middlesex!
 22 Berks!
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock sp.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites sp.
 36 Hereford. Purchas cat.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 45 Pembroke. Babington cat.
 47 Montgomery. Bloxam sp.
 49 Carnarvon!
 50 Denbigh. Bowman ms.
 52 Anglesea.
 53 Linc. south. Bloxam sp.
 54 north!
 55 Leicester.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 62 York n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Baker sp.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton sp.
 71 Man. Forbes cat.
 72 Dumfries. Gray cat.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour cat.
 85 Fife. Balf. sp. Syme sp.
 90 Forfar. Croall sp.
 91 Kincardine.
 92 Aber. south. Dickie cat.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness. Stables cat.
 00 Clyde-isles. Hennedy cat.
 [111 Clouston. 112 Ed-
 monston].

194 Cerastium tetrandrum.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north. Maw cat.
 5 Som. south. Gifford sp.
 6 north. Collins ms.
 9 Dorset. Pleydell cat.
 10 Wight. More sp.
 11 Hants south. Babington ms.
 13 Sussex west. Borrer cat.
 14 east. Lingwood sp.
 17 Surrey!
 18 Essex south.
 19 north.
 25 Suffolk east.
 27 Norfolk east. Babington sp.
 28 west.
 34 Gloster west. Stephens sp.
 36 Hereford. Purchas sp.
 39 Stafford? "Mr. Spark."
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.

- 49 Carnarvon!
 52 Anglesea. Winch ms.
 55 Leicester. Bloxam ms.
 58 Chester! Sansom sp.
 59 Lanc. south. Wood sp.
 62 York n. east. Baker cat.
 66 Durham. Hort sp.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 70 Cumberland? M. G.
 71 Man. Carrington sp.
 75 Ayr. Gourlie sp.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 81 Berwick. Syme sp.
 82 Haddington. Syme sp.
 83 Edinburgh! Syme sp.
 85 Fife. Dewar sp. Syme sp.
 86 Stirling.
 90 Forfar. Croall sp.
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie cat.
 95 Elgin. Gordon cat.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 10 Hebrides.
 11 Orkney. Syme sp.
 12 Shetland. Tate sp.
 N.B. Much confused with
 'semidecandrum;' and some
 localities of 'tetrandrum'
 probably still assigned to
 the other species, or *vice*
versâ.

194 *Cerastium**pumilum*.

"glutinosum."

- 1 Corn. west. "C. C. B." 1839.
 3 Devon south. "Townsend."
 9 Dorset. Pleydell cat.
 10 Wight. More sp.
 17 Surrey. "Dickson, 1778."
 30 Bedford. Abbot flo.
 34 Gloster west. Stephens sp.

52 Anglesea? *C. humile*?

N.B. Specimens picked on
 Molesey Hurst, Surrey, and
 labelled "tetrandrum" by
 myself, were named "gluti-
 nosum" by Mr. Lloyd of
 Nantes. The counties of
 Durham and Fife have been
 reported, but through mis-
 nomers. The botanists of
 Cornwall and Devon do not
 appear to have seen this
 plant there. [66 85].

195 *Cerastium**arvense*.

- 8 Wilts south. Flower cat.
 12 Hants north.
 14 Sussex east.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Fordham sp.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 36 Hereford. Purchas "v. s."
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop? "Mr. Spare."
 50 Denbigh. Bowman cat.
 53 Linc. south! Bloxam ms.
 54 north! Bogg cat.
 55 Leicester.

- 56 Notts.
 57 Derby. Howitt cat.
 58 Chester.
 60 Lanc. west. Syme sp.
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Kingsley sp.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumberland.
 68 Cheviot. Embleton sp.
 71 Man. Forbes sp.
 72 Dumfries. Cruickshank sp.
 73 Kirkcudbright. Gray cat.
 77 Lanark. "Mr. Dunlop."
 80 Roxburgh.
 81 Berwick.
 82 Haddington. Brand sp.
 85 Fife. Lawson ms.
 90 Forfar.
 91 Kincardine. Syme cat.
 92 Aber. south. Syme sp.
 93 north.
 94 Banff.
 95 Elgin. Gordon cat.†
 96 Easternness. Stables sp.
 [3 9 111; the name appears to mislead some collectors, who thus label *C. vulgatum*, or report "*C. arvense*" from "corn-fields."

196 *Cerastium alpinum*.

- 49 Carnarvon. Ball sp.
 69 Westmoreland. Gutch sp.
 86 Stirling. Hooker sp.
 88 Perth mid!
 90 Forfar! Brand sp.
 92 Aber. south. Dickie sp.
 97 Westernness. Roy sp.
 99 Dunbarton.
 04 Eb. north. Lawson cat.
 08 Suth. west! Graham sp.

197 *Cerastium latifolium*.

- 49 Carnarvon. Sandys sp.
 86 Stirling.
 88 Perth mid! H. Balf. sp.
 90 Forfar.
 92 Aber. south. Syme sp.
 94 Banff. Barry sp.
 97 Westernness!
 99 Dunbarton.
 08 Suth. west. Graham sp.
 12 Shetland. *C. nigrescens*.
 [86 98 Lightf. 111 Neill].

198 *Cherleria sedoides*.

- 88 Perth mid!
 90 Forfar. Brand sp.
 98 Argyle.
 04 Eb. north. Ch. Bab. sp.
 05 Ross west.
 08 Suth. west! Campbell sp.
 12 Shetland?

200 *Linum perenne*.

- 19 Essex north.
 26 Suffolk west.
 27 Norf. east.
 28 west. Miss Bell sp.
 29 Cambridge. Harris sp.
 32 Northton?
 55 Rutland.
 61 York s. east.
 62 n. east.
 64 m. west.
 65 n. west. Ward sp.
 66 Durham. Bowman sp.
 69 Westmoreland?
 N.B. *Linum angustifolium* has repeatedly been misreported as *L. perenne*; and more strangely *L. usitatis-simum* also. Probably it was one or other of these in the following counties [3 4 6

9 11 14 15 18 20 40
83].

201 Linum

angustifolium.

- 1 Corn. west! Cunnack cat.
 - 2 east. Briggs cat.
 - 3 Devon south. Briggs cat.
 - 4 north! Maw cat.
 - 5 Som. south. Coleman cat.
 - 6 north. Thwaites cat.
 - 8 Wilts south.
 - 9 Dorset. Pleydell ms.
 - 10 Wight! More cat.
 - 11 Hants south. Notcutt cat.
 - 13 Sussex west.
 - 14 east. Trevelyan sp.
 - 15 Kent east! West sp.
 - 16 west.
 - 17 Surrey!
 - 18 Essex south. Syme sp.
 - 19 north.
 - 22 Berks?
 - 25 Suffolk east.
 - 27 Norfolk east. Barnard ms.
 - 28 west. Babington sp.
 - 33 Gloster east?
 - 36 Hereford.
 - 39 Stafford?
 - 41 Glamorgan.
 - 44 Carmarthen. Motley cat.
 - 45 Pembroke. Babington sp.
 - 52 Anglesea.
 - 58 Chester! Warren cat.
 - 59 Lanc. south!
 - 71 Man.
- [62]. (66).

202 Linum

catharticum.

Counties all, except 86 98 and
the usual nine; doubtless
to be found in all of them.

203 Radiola

millegrana.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs sp.
- 4 north.
- Somerset. Southby cat.
- 8 Wilts south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south!
- 12 north!
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey! Coleman ms.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts.
- 21 Middlesex.
- 22 Berks.
- 24 Bucks.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Extinct?
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford.
- 40 Salop.
- 41 Glamorgan. Withers sp.
- 45 Pembroke. Babington cat.
- 48 Merioneth. Russell sp.
- 49 Carnarvon. Babington ms.
- 50 Denbigh?
- 52 Anglesea.
- 55 Leicester. Ch. Bab. ms.
- 56 Notts.
- 58 Chester. Sansom sp.
- 59 Lanc. south. Tudor ms.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 65 n. west.
- 68 Cheviotland.

- 70 Cumberland.
- 71 Man. Forbes cat.
- 72 Dumfries. Gray cat.
- 74 Wigton. Balfour sp.
- 75 Ayr. G. Macnab sp.
- 76 Renfrew. Hennedy cat.
- 77 Lanark. Hennedy cat.
- 81 Berwick.
- 85 Fife. Carnegie sp.
- 88 Perth mid. Brand sp.
- 89 east.
- 90 Forfar.
- 91 Kincardine. Syme cat.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 94 Banff.
- 95 Elgin. Gordon cat.
- 96 Easterness. Croall sp.
- 98 Argyle. Hooker sp.
- 99 Dunbarton.
- 00 Clyde-isles. Hennedy cat.
- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour sp.
- 03 mid.
- 05 Ross west.
- 06 east! Gordon cat.
- Sutherland. Johnston ms.
- 09 Caithness. Brown cat.
- 11 Orkney. Syme sp.

204 Malva**moschata.**

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south! Notcutt sp.
- 12 north! Twining sp.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.

- 15 Kent east. Smith cat.
- 17 Surrey!
- 18 Essex south.
- 19 north! Varenne cat.
- 20 Herts. Warner sp.
- 21 Middlesex. Hind cat.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford. Miss Foster sp.
- 31 Hunts. Newbould cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 35 Monmouth. Watkins sp.
- 36 Hereford. Purchas cat.
- 37 Worcester. Bagnall ms.
- 38 Warwick. Kirk cat.
- 39 Stafford! Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Moggridge sp.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 50 Denbigh! Bowman cat.
- 51 Flint!
- 52 Anglesea.
- 54 Lincoln north. Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby! Howitt cat.
- 58 Chester! Warren cat.
- 59 Lanc. south. Webb cat.
- 62 York n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Tatham cat.
- 65 n. west. Ward sp.
- 66 Durham. Bowman sp.
- 67 Northumberland.
- 68 Cheviot. Embleton sp.
- 69 Westmorland!
- 70 Cumberland.
- 71 Man. Forbes cat.

72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 74 Wigton.
 75 Ayr. Duncan cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour cat.
 85 Fife.
 87 Perth west. Syme cat.
 99 Dunbarton.
 00 Clyde-isles. Hennedy cat.
 02 Eb. south. Balfour cat.
 (89 90 91 92 95 96 109).

205 Malva

syvestris.

Counties all, except 46 49 73
 86 88 93 94 97 98 101
 104 107 to 112. Rare in
 North Britain; and deemed
 not indigenous in Aberdeen
 or Moray.

206 Malva

rotundifolia.

1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west! Borrer cat.
 14 east. Coleman cat.
 15 Kent east! Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.

20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas cat.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton! Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon!
 50 Denbigh. Bowman cat.
 51 Flint!
 52 Anglesea.
 53 Lincoln south!
 54 north! Britten cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 60 west.
 62 York n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 75 Ayr. Duncan cat.
 77 Lanark. Hooker cat.
 81 Berwick.
 82 Haddington. Balfour cat.

- 83 Edinburgh. Balfour cat.
 85 Fife. Syme cat.
 90 Forfar.
 91 Kincardine.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 95 Elgin. Gordon cat.†

208 *Althæa**officinalis.*

- 1 Corn. west. Extinct?
 2 east? "Couch."
 3 Devon south. Briggs cat.†
 6 Som. north. Collins ms.
 9 Dorset. Pleydell ms.
 10 Wight! Miss Twining sp.
 11 Hants south. Notcutt cat.
 14 Sussex east. Trevelyan sp.
 15 Kent east! Smith cat.
 18 Essex south.
 19 north. Varenne ms.
 25 Suffolk east.
 27 Norfolk east.
 28 west. Miss Bell sp.
 29 Cambridge. Babington cat.
 34 Gloster west! Thwaites cat.
 40 *Salop.* Brooks in Shrop. flo.
 41 Glamorgan. Brent sp.
 44 Carmarthen. Moggridge sp.
 45 Pembroke.
 54 Linc. north! Howitt sp.
 69 Westmoreland.
 70 Cumberland.
 73 Kirkcudbright.
 00 Clyde-isles. Hennedy cat.†
 (59 68). [21 64 86 99].

210 *Lavatera**arborea.*

- 1 Cornwall west! Curnow sp.
 2 east. Briggs cat.
 3 Devon south. Gibson ms.
 4 north?
 6 Som. north. Collins ms.
 41 Glamorgan.
 45 Pembroke. Babington cat.

- 48 Merioneth.
 49 Carnarvon. Introduced?
 52 Anglesea. Bowman ms.
 71 Man. J. Macnab ms.
 75 Ayr. Ailsa Craig, &c.
 (10 13 14 67 82 85 100).
 [9 11 18 27, on old records
 only].

211 *Tilia**parvifolia.*

- 3 Devon south. Flower sp.
 6 Som. north!
 10 Wight. Bromfield ms.
 11 Hants south. Bromf. ms.
 Sussex. Borrer cat. co.
 18 Essex south.
 19 north. Benthall sp.
 32 Northton. Berkeley ms.
 34 Gloster west. Sandys sp.
 35 Monmouth. Gibson ms.
 36 Hereford. Babington ms.
 37 Worcester. Butler sp.
 39 Stafford. Babington ms.
 41 Glamorgan. Lees ms.
 42 Brecon. Native; Lees.
 57 Derby. Church. Bab. ms.
 62 York n. east. "native."
 70 Cumberland!
 (1 16 17 21 23 24 26 29
 33 38 50 53 or 54 55 56
 58 59 64 66 69 75 77
 82 83; more or less uncer-
 tainly indigenous, or insuffi-
 ciently vouched in all of
 these counties).

213 *Tilia**grandifolia.*

- 36 Hereford. Babington ms.
 65 York n. west. Ward sp.
 N.B. These are the only two
 counties known to me, as
 resting on good testimony in
 support of the true nativity
 of this Lime. It is recorded

for many other counties, from West Cornwall to Moray, usually with indications in distrust of it being really an indigenous tree. In Surrey its leaves are more damaged by spring frosts than are those of the *T. intermedia*. It has been confused with this latter; from which it is readily distinguished if seen in fruit.

214 *Hypericum*

Androsæmum.

Androsæmum officinale.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north! Eastmond sp.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat. ...sp.
- 11 Hants south! Notcutt cat.
- 12 north!
- 13 Sussex west. Borrer cat.
- 14 east. Carr sp.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey! Ellis sp.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Varenne ms.
- 22 Berks.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east? "Wigg."
- 27 Norfolk east.
- 28 west.
- 32 Northton.
- 33 Gloster east?

- 34 Gloster west. Thwaites sp.
 - 35 Monmouth. Ch. Bab. sp.
 - 36 Hereford. Purchas cat.
 - 37 Worcester. Prentice ms.
 - 38 Warwick. Kirk cat.
 - 39 Stafford.
 - 40 Salop. Leighton cat. co.
 - 41 Glamorgan. Moggridge sp.
 - 42 Brecon.
 - 43 Radnor.
 - 44 Carmarthen. Motley cat.
 - 45 Pembroke. Babington cat.
 - 46 Cardigan. Atwood ms.
 - 47 Montgomery. Robinson ms.
 - 48 Merioneth.
 - 49 Carnarvon! Gibson ms.
 - 50 Denbigh. Bowman ms.
 - 52 Anglesea.
 - 55 Leicester.
 - 58 Chester!
 - 59 Lanc. south. Webb cat.
 - 60 west.
 - 61 York s. east.
 - 62 n. east.
 - 63 s. west.
 - 64 m. west. Tatham cat.†
 - 65 n. west.
 - 66 Durham.
 - 69 Westmoreland.
 - 70 Cumberland. Otley sp.
 - 71 Man. Jowett sp.
 - 74 Wigton. Balfour sp.
 - 75 Ayr. Duncan cat.
 - 76 Renfrew. Henedy cat.
 - 98 Argyle. Gordon ms.
 - 99 Dunbarton! Hooker sp.
 - 00 Clyde-isles. Balfour sp.
 - 01 Cantire. Balfour cat.
 - 02 Eb. south. Balfour cat.
 - 04 north.
 - 06 Ross. Gordon ms. East?
- (56 68 81 83 85 87).

215 *Hypericum*

perforatum.

Counties all, except 32 46 49

53 71 86 87 95 97 98 99
101 to 105 107 108 110
[111]. 112 Shetland ?

216 Hypericum
quadrangulum.
tetrapterum.

Counties all, except 35 44 46
72 84 86 89 97 98 107 to
112, with the usual nine in
addition. Probably occurs
in all up to 100 or 106.

216 Hypericum
dubium.
maculatum.

1 Corn. west. Gibson ms.
2 east. Hore sp.
3 Devon south.
4 north!
6 Som. north.
7 Wilts north. Flower cat.
8 south. Flower cat.
11 Hants south!
12 north!
13 Sussex west. Borrer cat.
19 Essex north. Gibson sp.
20 Herts.
23 Oxford. Beesley cat.
25 Suffolk east.
27 Norf. east.
28 west. Miss Bell sp.
30 Bedford.
33 Gloster east. Prentice cat.
34 west. Thwaites sp.
35 Monmouth. Watkins sp.
36 Hereford. Purchas sp.
37 Worcester.
38 Warwick. Kirk cat.
39 Stafford. Babington ms.
40 Salop. Leighton cat.
41 Glamorgan.
42 Brecon.
43 Radnor.
44 Carmarthen. Motley cat.
46 Cardigan. Babington sp.

48 Merioneth. Russell sp.
49 Carnarvon.
50 Denbigh. Fisher sp.
51 Flint.
52 Anglesea.
55 Leicester. Bloxam cat.
56 Notts.
57 Derby.
58 Chester. Warren cat.
59 Lanc. south.
61 York s. east.
62 n. east. Baker cat.
63 s. west.
64 m. west. Tatham cat.
65 n. west. Ward sp.
66 Durham. Bowman sp.
67 Northumb. Bowman sp.
68 Cheviotland.
69 Westmor. Miss Beevor sp.
70 Cumberland.
74 Wigton. Balfour sp.
75 Ayr. Duncan cat.
76 Renfrew. Hennedy cat.
67 Lanark. Hennedy cat.
81 Berwick.
85 Fife ?
87 Perth west.
88 mid. H. M. Balf. sp.
98 Argyle.
00 Arran. G. Macnab sp.
[10 21 73]. (109).

217 Hypericum
bæticum.
undulatum.

1 Corn. west. Cunnack cat.
2 east. Briggs sp.
3 Devon south. Briggs sp.

218 Hypericum
humifusum.

1 Corn. west! Cunnack cat.
2 east. Briggs cat.
3 Devon south. Briggs cat.
4 north! Maw cat.
5 Som. south. Coleman cat.

- | | |
|--------------------------------|------------------------------|
| 6 Som. north. Thwaites cat. | 58 Chester ! Warren cat. |
| 7 Wilts north. Flower cat. | 59 Lanc. south. Webb cat. |
| 8 south. Flower cat. | 61 York s. east. |
| 9 Dorset. Pleydell cat. | 62 n. east. Baker cat. |
| 10 Wight. More cat. | 63 s. west. Lees cat. |
| 11 Hants south ! Notcutt cat. | 64 m. west. Tatham cat. |
| 12 north ! | 65 n. west. Baker sp. |
| 13 Sussex west. Borrer cat. | 66 Durham. |
| 14 east. Coleman cat. | 67 Northumb. Thompson sp. |
| 15 Kent east. Smith cat. | 68 Cheviot. Embleton cat. |
| 16 west. | 69 Westmoreland. |
| 17 Surrey ! | 70 Cumberland ! Baker cat. |
| 18 Essex south. | 74 Man. Forbes cat. |
| 19 north. Varenne cat. | 73 Kirkcudbright. Gray cat. |
| 20 Herts. Coleman cat. | 75 Ayr. Duncan cat. |
| 21 Middlesex. Hind cat. | 76 Renfrew. Hennedy cat. |
| 22 Berks ! Britten cat. | 77 Lanark. Hennedy cat. |
| 23 Oxford. Beesley cat. | 81 Berwick. |
| 24 Bucks. Britten cat. | 83 Edinburgh ! Balfour cat. |
| 25 Suffolk east. | 85 Fife. G. Macnab sp. |
| 26 west. | 87 Perth west. Syme cat. |
| 27 Norf. east. | 88 mid ! Worsley cat. |
| 28 west. Notcutt cat. | 89 east ! |
| 29 Cambridge. Babington cat. | 90 Forfar. |
| 30 Bedford. | 91 Kincardine. Syme cat. |
| 31 Hunts ! Newbould cat. | 92 Aber. south. Dickie sp. |
| 32 Northton. | 93 north. Dickie flo. |
| 33 Gloster east. Prentice cat. | 94 Banff. |
| 34 west. Thwaites cat. | 95 Elgin. Gordon cat. |
| 36 Hereford. Purchas cat. | 97 Westerness ! |
| 37 Worcester. | 00 Clyde-isles. Hennedy cat. |
| 38 Warwick. Kirk cat. | 01 Cantire. Balfour cat. |
| 39 Stafford ! Douglas cat. | 02 Eb. south. Balfour cat. |
| 40 Salop. Leighton cat. | 09 Caithness. Brown cat. |
| 41 Glamorgan. | |
| 44 Carmarthen. Motley cat. | |
| 45 Pembroke. Babington cat. | |
| 48 Merioneth. | |
| 49 Carnarvon ! | |
| 50 Denbigh. Bowman cat. | |
| 52 Anglesea. | |
| 53 Linc. south ! | |
| 54 north. Bogg cat. | |
| 55 Leicester. Bloxam cat. | |
| 56 Notts. | |
| 57 Derby ! Howitt cat. | |

219 *Hypericum* *linariifolium*.

- 4 Corn. west. Bailey ms.
2 east ?
3 Devon south. Goulding sp.

220 *Hypericum* *pulchrum*.

Counties all, except 31 51 86
and the usual nine ; possibly
absent from no. 81.

221 *Hypericum hirsutum*.

- 3 Devon south. Briggs cat.
- 5 north.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west! Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Hind cat.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norf. east.
- 28 west. Notcutt cat.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 36 Hereford. Shawe sp.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 45 Pembroke. Babington cat.
- 50 Denbigh. Bowman cat.
- 54 Lincoln north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby! Howitt cat.

- 60 Lanc. west! Simpson sp.
 - 61 York s. east.
 - 62 n. east. Baker cat.
 - 63 s. west. Lees cat.
 - 64 m. west. Tatham cat.
 - 65 n. west. Ward cat.
 - 66 Durham. Bowman sp.
 - 67 Northumberland.
 - 68 Cheviotland. Tate cat.
 - 69 Westmoreland!
 - 70 Cumberl. Robinson sp.
 - 73 Kirkcudbright. Gray cat.
 - 75 Ayr. James Wilson sp.
 - 76 Renfrew. Hennedy cat.
 - 77 Lanark. Hooker sp.
 - 80 Roxburgh. Duncan cat.
 - 81 Berwick.
 - 82 Haddington. Balfour cat.
 - 83 Edinburgh! Balfour cat.
 - 85 Fife. Syme. cat.
 - 87 Perth west. Syme cat.
 - 88 mid! E. Twining sp.
 - 89 east!
 - 90 Forfar.
 - 91 Kincardine. Syme cat.
 - 92 Aber. south. Dickie sp.
 - 93 north. Dickie flo.
 - 94 Banff. Gordon ms.
 - 95 Elgin. "Mr. Martin."
 - 00 Clyde-isles. Hennedy cat.
 - 06 Ross e. "Rev. G. Wilson."
- [58 72].

222 *Hypericum montanum*.

- 1 Corn. west.
- 2 east.
- 3 Devon south. Briggs cat.
- 6 Som. north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 16 Kent west!
- 17 Surrey!
- 20 Herts. "once found."

22 Berks. Britten cat.
 23 Oxford. Harris sp.
 24 Bucks. Britten cat.
 27 Norfolk east.
 33 Gloster east.
 34 west. Thwaites cat.
 35 Monmouth. Watkins cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 39 Stafford.
 40 Salop. Miss E. Jones sp.
 45 Pembroke. Babington cat.
 47 Montgomery.
 49 Carnarvon. Bowman ms.
 50 Denbigh. Bowman cat.
 51 Flint. Bowman sp.
 52 Anglesea.
 56 Notts.
 57 Derby. Howitt cat.
 60 Lanc. west. Simpson sp.
 62 York n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 66 Durham. Bowman sp.
 69 Westmoreland!
 70 Cumberland.
 75 Ayr.

223 *Hypericum* *elodes*.

1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north?
 5 Som. south. Coleman cat.
 8 Wilts south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south! Notcutt cat.
 12 north! Baker cat.
 13 Sussex west. Borrer cat.
 14 east. Bromfield sp.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey! Ellis ms.
 18 Essex south.

22 Berks!
 24 Bucks. Britten cat.
 25 Suff. east. Paget sp.
 27 Norf. east. Cooper sp.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 35 Monmouth. Watkins sp.
 36 Hereford. "Wilmott.",
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 43 Radnor.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan.
 48 Merioneth. Poole ms.
 49 Carnarvon. Bowman ms.
 50 Denbigh. Bowman ms.
 52 Anglesea.
 55 Leicester?
 57 Derby. Whittaker sp.
 58 Chester. Warren cat.
 59 Lanc. south. Tudor ms.
 61 York s. east.
 62 n. east.
 64 m. west. Ch. Bab. ms.
 69 Westmoreland.
 70 Cumberland. Otley sp.
 71 Man. Forbes sp.
 73 Kirkcudbright. Gray sp.
 74 Wigton. Balfour sp.
 75 Ayr. Duncan cat.
 98 Argyle. Hooker sp.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Heneddy cat.
 03 Eb. south. Balfour sp.
 11 Orkney? Neill, &c.
 [21 29; extinct].

225 *Acer* *campestre*.

3 Devon south. Briggs cat.†
 4 north! Maw cat.
 5 Som. south. Coleman cat.

- 6 Som. north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north!
- 13 Sussex west! Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks! Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west.
- 27 Norf. east. Stock cat.
- 28 west. Notcutt cat.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts! Newbould cat.
- 32 Northton! Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west! Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Purchas cat.
- 37 Worcester. Bagnall ms.
- 38 Warwick. Kirk cat.
- 39 Stafford! Douglas cat.
- 40 Salop. Leighton cat.
- 43 Radnor. Miss Atwood ms.
- 44 Carmarthen. Motley cat.
- 50 Denbigh! Bowman cat.
- 52 Anglesea.
- 53 Lincoln south!
- 54 north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby! Howitt cat.
- 59 Lanc. south. Webb cat.†
- 61 York s. east.

- 62 York n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Tatham cat.
- 65 n. west. Ward sp.
- 66 Durham. Bowman sp.
- (1 2 58 68 70 71 76 77
- 81 83 84 85 89 90 98
- 100; given as a native of
- 83 84 85, in the Flora of
- Edinburgh).

226 Acer

Pseudo-platanus.

N.B. Given as native of Haddington, Edinburgh, and Fife, in the Flora of Edinburgh; also the same in the old Flora of Northumberland and Durham. In the New Flora of N. and D. it is named as an "alien"; and such is its proper character in the counties of the Forth. As an alien, it is reported for most of the counties, from Cornwall to Caithness.

227 Erodium

maritimum.

- 1 Corn. west! Cunnack cat.
- 2 east. Pascoe sp.
- 3 Devon south. Briggs sp.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites sp.
- 9 Dorset. Mansel-Pleydell sp.
- 10 Wight! More cat.
- 11 Hants south?
- 14 Sussex east. Extinct?
- 15 Kent east. Extinct?
- 17 Surrey. W. Reeves ms.
- 27 Norfolk east.
- 28 west.
- 34 Gloster west. Winch sp.
- 36 Hereford. Purchas sp.

- 37 Worcester. Lees sp.
 39 Stafford.
 40 Salop.
 41 Glamorgan.
 45 Pembroke. Babington cat.
 46 Cardigan. Sandys sp.
 48 Merioneth.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 51 Flint. Bowman sp.
 52 Anglesea!
 56 Notts. Howitt sp.
 58 Chester? Extinct?
 69 Westmoreland.
 70 Cumberland.
 71 Man. Forbes sp.
 74 Wigton. Balfour sp.
 (66 "ballast hills.")

228 Erodium
cicutarium.

- Counties all, except 14 32 69
 72 80 87 88 89 97 98
 104 108 [111] 112.

229 Erodium
moschatum.

- 1 Corn. west. Gibson sp.
 2 east. Briggs cat.
 3 Devon south. Trevelyan sp.
 4 north. Maw cat.
 5 Som. south. Gifford sp.
 6 north.
 9 Dorset. Pleydell cat.
 34 Gloster west. Thwaites sp.
 45 Pembroke. Babington cat.
 52 Anglesea?
 N.B. Reported from numerous
 other counties, but almost
 certainly mis-reported or
 not indigenous in them.

230 Geranium
sylvaticum.

- 28 Norfolk west?
 37 Worcester. Lees sp.

- 38 Warwick.
 39 Stafford.
 40 Salop.
 57 Derby.
 59 Lanc. south. Dugdale sp.
 62 York n. east.
 63 s. west.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviotland. Tate cat.
 69 Westmoreland! Beevor sp.
 70 Cumberland!
 72 Dumfries. Gray ms.
 73 Kirkcudbright. Gray ms.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 79 Selkirk.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 84 Linlithgow.
 85 Fife.
 86 Stirling.
 87 Perth west! Syme cat.
 88 mid! Worsley cat.
 89 east!
 90 Forfar!
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness! Stables cat.
 97 Westerness!
 00 Clyde-isles. Hennedy cat.
 06 Ross east. Gordon ms.
 [1 25 27 28 55 111;
 erroneous or insufficiently
 vouched.

231 Geranium
pratense.

- 2 Corn. east?

- 3 *Devon south.* Briggs cat.†
 ✓ 6 *Som. north.* Russell sp.
 7 *Wilts north.* Flower cat.
 8 *south.* Flower cat.
 9 *Dorset.* Pleydell cat.
 12 *Hants north.*
 14 *Sussex east.*
 17 *Surrey!*
 18 *Essex south.*
 19 *north.*
 20 *Herts.*
 21 *Middlesex!*
 22 *Berks.* Britten cat.
 23 *Oxford.* Beesley cat.
 24 *Bucks.* Britten cat.
 25 *Suffolk east.*
 28 *Norf. west.* Cooper sp.
 29 *Cambridge.* Babington cat.
 30 *Bedford.* Miss Foster sp.
 31 *Hunts.* Newbould cat.
 32 *Northton.* Notcutt cat.
 33 *Gloster east.* Prentice cat.
 34 *west.* Thwaites cat.
 35 *Monmouth.* Conway cat.
 36 *Hereford.*
 37 *Worcester.*
 38 *Warwick.* Kirk cat.
 39 *Stafford!*
 40 *Salop.*
 41 *Glamorgan.*
 42 *Brecon.*
 46 *Cardigan.* Atwood sp.
 50 *Denbigh.* Bowman cat.
 51 *Flint.*
 52 *Anglesea.*
 55 *Leicester.* Bloxam cat.
 56 *Notts.*
 57 *Derby!* Howitt cat.
 58 *Chester!*
 59 *Lanc. south.* Goodlad hb.
 61 *York s. east.*
 62 *n. east.* Baker cat.
 63 *s. west.*
 64 *m. west.* Tatham cat.
 65 *n. west.* Ward cat.
 66 *Durham.* Storey sp.

- 67 *Northumberland.*
 68 *Cheviot.* Embleton cat.
 69 *Westmoreland!*
 70 *Cumberland!* Baker cat.
 72 *Dumfries.* Gray cat.
 73 *Kirkeudbright.* Gray cat.
 75 *Ayr.* Duncan cat.
 76 *Renfrew.* Hennedy cat.
 77 *Lanark.* Hennedy cat.
 80 *Roxburgh.* Duncan cat.
 81 *Berwick.*
 82 *Haddington.* Balfour cat.
 83 *Edinburgh.* Balfour cat.
 85 *Fife.* Syme cat.
 87 *Perth west!* Syme cat.
 88 *mid!*
 89 *east!*
 90 *Forfar.*
 91 *Kincardine.* Dickson ms.
 92 *Aber. south.* Dickie cat.
 93 *north.* Dickie flo.
 94 *Banff.*
 98 *Argyle.*
 99 *Dunbarton.*
 00 *Clyde-isles.* Hennedy cat.
 01 *Cantire.* Balfour cat.
 02 *Eb. south.* Balfour cat.

232 *Geranium pyrenaicum.*

- 2 *Corn. east.* Briggs sp.†
 3 *Devon south.* Briggs cat.†
 6 *Som. north.* French sp.
 7 *Wilts north.* Flower cat.
 8 *south.*
 9 *Dorset.* Pleydell cat.
 11 *Hants south?*
 12 *north?*
 13 *Sussex west.* Borrer cat.†
 17 *Surrey!* Occasional.†
 18 *Essex south.*
 19 *north.* Varenne cat.
 20 *Herts.* Coleman cat.
 21 *Middlesex.* Kingsley sp.
 22 *Berks.* Mrs. Russell sp.
 23 *Oxford.*

- 24 Bucks. Mrs. James sp.
 25 Suffolk east. Notcutt sp.
 26 west. Henslow ms.
 27 Norfolk east. Cooper sp.
 28 west. Miss Bell sp.
 29 Cambridge. Coleman ms.
 30 Bedford.
 32 Northton. Notcutt sp.
 33 Gloster east. Prentice ms.
 36 Hereford.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Bidwell sp.
 41 Glamorgan.
 44 Carmarthen?
 50 Denbigh. Gibson ms.
 53 Lincoln south! Bloxam ms.
 57 Derby?
 61 York s. east.
 62 n. east. "native."
 63 s. west.
 64 m. west. "native."
 65 n. west. "native."
 66 Durham. "ballast hills."
 70 Cumberland.
 75 Ayr. Duncan cat.
 83 Edinburgh. Alien.
 85 Fife.
 89 Perth east! Escape?
 95 Elgin. "Reported."
 96 Easternness. Stables sp.†
 00 Clyde-isles.
 N.B. The above is to be taken as a full enumeration of counties, without separating the erroneous and those in which this *Geranium* is probably alien. In the 'Botany of North Yorkshire' it is given as truly "native;" tacitly so taken in some few other counties also.

233 *Geranium rotundifolium*.

- 2 Corn. east. Briggs sp.
 3 Devon south! Hore sp.
 6 Som. north! Russell sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 16 Kent west.
 17 Surrey. Boswell Syme sp.
 18 Essex south.
 20 Herts.
 21 Middlesex.
 22 Berks. Britten cat.
 23 Oxford. Bloxam sp.
 25 Suffolk east.
 29 Cambridge. Babington ms.†
 30 Bedford. Newbould ms.
 32 Northton.
 34 Gloster west! Stephens sp.
 41 Glamorgan. Barnard ms.
 (58 66 67 70 82 83).
 [36 37 40 41 50 57 63
 64; insufficiently certified;
 mostly erroneous?].

234 *Geranium pusillum*.

- 1 Corn. west.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 5 Som. south. Coleman cat.
 6 north.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south!
 12 north!
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.

21 Middlesex!
 22 Berks!
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts!
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan. Barnard ms.
 44 Carmarthen. Motley cat.
 45 Pembroke.
 50 Denbigh. Bowman cat.
 51 Flint.
 52 Anglesea.
 54 Lincoln north!
 55 Leicester. Bloxam cat.
 56 Notts.
 58 Chester.
 59 Lanc. south. Dugdale ms.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviotland. Tate cat.
 70 Cumberland. "Benson."
 77 Lanark.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 85 Fife.
 90 Forfar.
 94 Banff. "Rare."
 95 Elgin. Gordon cat.

96 Easternness! Stables cat.
 N.B. Not rare in England;
 rare or overlooked in Scot-
 land.

235 Geranium molle.

Counties all, except 46 97 98
 and the usual nine.

236 Geranium dissectum.

Counties all, except 35 46 86
 97 98 104 108 110 111
 112.

237 Geranium columbinum.

1 Corn. west.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 12 Hants north.
 13 Sussex west. Borrer cat.
 15 Kent east. Smith cat.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east? "v. r."
 27 Norfolk east. Stock cat.
 28 west. Bell sp.
 30 Bedford.
 32 Northton. Berkeley ms.
 33 Gloster east. Prentice cat.

- | | |
|--------------------------------|------------------------------|
| 34 Gloster west! Thwaites cat. | 8 Wilts south. Flower cat. |
| 35 Monmouth. Conway cat. | 9 Dorset. Pleydell cat. |
| 36 Hereford. Purchas cat. | 10 Wight! More cat. |
| 37 Worcester. Bagnall ms. | 11 Hants south. |
| 38 Warwick. Kirk cat. | 12 north. |
| 39 Stafford. | 13 Sussex west. Borrer cat.† |
| 40 Salop. Leighton cat. | 15 Kent east. Smith cat. |
| 41 Glamorgan. | 17 Surrey! |
| 44 Carmarthen. Motley cat. | 18 Essex south. |
| 45 Pembroke. Babington cat. | 19 north. Varenne cat. |
| 48 Merioneth. | 20 Herts. |
| 49 Carnarvon! | 21 Middlesex! Twining sp. |
| 50 Denbigh. Leefe sp. | 22 Berks. |
| 51 Flint. | 23 Oxford. Beesley cat. |
| 52 Anglesea. | 24 Bucks. Britten cat. |
| 54 Lincoln north! | 25 Suffolk east. |
| 56 Notts. | 26 west. |
| 57 Derby! | 27 Norfolk east. |
| 58 Chester. | 29 Cambridge. Babington cat. |
| 59 Lanc. south. | 30 Bedford. |
| 60 west. Simpson sp. | 32 Northton. Berkeley ms. |
| 62 York n. east. Baker cat. | 33 Gloster east. |
| 63 s. west. | 34 west. Thwaites sp. |
| 64 m. west. Lees cat. | 35 Monmouth. Ch. Bab. ms. |
| 65 n. west. Ward sp. | 36 Hereford. Purchas cat. |
| 66 Durham. | 37 Worcester. |
| 67 Northumb. Storey sp. | 38 Warwick. Kirk cat. |
| 69 Westmoreland! | 39 Stafford. Douglas cat. |
| 70 Cumberland. "Robinson!" | 40 Salop. |
| 75 Ayr. Duncan cat. | 41 Glamorgan. |
| 80 Roxburgh. One locality. | 44 Carmarthen. Motley cat. |
| 81 Berwick. One locality. | 45 Pembroke. Babington cat. |
| 83 Edinburgh. Lloyd sp. | 47 Montgomery. Butler sp. |
| 85 Fife. Syme sp. | 48 Merioneth. |
| 90 Forfar. | 49 Carnarvon! Winch ms. |
| (29). [77 99]. | 50 Denbigh! Bowman cat. |
| | 51 Flint. |
| | 52 Anglesea. |
| | 55 Leicester. |
| | 56 Notts. Howitt sp. |
| | 57 Derby. Ch. Babington sp. |
| | 59 Lanc. south. |
| | 60 west. Dugdale sp. |
| | 61 York s. east. |
| | 62 n. east. Baker sp. |
| | 63 s. west. |

238 Geranium lucidum.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.

- 64 York m. west. Tatham cat.
 65 n. west. Bowman sp.
 66 Durham.
 67 Northumberland.
 68 Cheviot. Embleton sp.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. E.B.S. cat. 6.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. E.B.S. cat. 6.
 85 Fife. Lawson ms.
 86 Stirling.
 87 Perth west. Syme cat.
 88 mid.
 89 east.
 90 Forfar.
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie cat.†
 93 north. Dickie flo.
 96 Easterness.
 98 Argyle. Gordon ms.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Henedy cat.
 06 Ross east. Gordon cat.
 [111 Orkney; Lowe's list].

239 Geranium

Robertianum.

Counties all, except 97 98
 110 112, with the usual
 nine.

240 Geranium

sanguineum.

- 1 Corn. west. Cunnaack cat.
 3 Devon south. Abraham ms.
 6 Som. north. Young sp.
 19 Essex north.
 24 Bucks. Britten cat.†

- 25 Suffolk east.
 26 west. Skepper ms.
 28 Norfolk west?
 29 Cambridge. Babington cat.
 30 Bedford.
 34 Gloster west! Thwaites sp.
 35 Monmouth.
 36 Hereford.
 39 Stafford.
 40 Salop.
 41 Glamorgan.
 43 Radnor. Purchas ms.
 44 Carmarthen. Motley cat.
 47 Montgomery. Bowman ms.
 48 Merioneth. Butler sp.
 49 Carnarvon. Bloxam ms.
 50 Denbigh. Bowman cat.
 51 Flint.
 52 Anglesea.
 53 Lincoln south?
 54 north.
 56 Notts.
 57 Derby.
 58 Chester! Warren flo.
 59 Lanc. south. Extinct?
 60 west. Simpson sp.
 62 York n. east. Baker sp.
 63 s. west.
 64 m. west. Tatham sp.
 66 Durham. Noŕman cat.
 67 Northumb. Bowman sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland!
 70 Cumberland.
 73 Kirkcudbright. Gray ms.
 75 Ayr. Duncan cat.
 80 Roxburgh.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 85 Fife. Syme sp.
 88 Perth mid.
 90 Forfar.
 91 Kincardine. Croall sp.
 92 Aber. south. Dickie cat.
 95 Elgin. Gordon cat.

- 96 Easternness. Stables cat.
 00 Clyde-isles. Hennedy cat.
 03 Ebudes mid.
 06 Ross east. Gordon ms.

241 *Impatiens* *fulva*.

- 8 Wilts. "quite naturalised."
 Sussex. Miss Carr sp.
 17 Surrey! Salmon sp.
 21 Middx. Twining sp.
 24 Bucks. Britten ms.
 N.B. From America, but thoroughly established; perhaps more so than the *Nolime-tangere*, although this latter has been supposed indigenous in Wales and North England.

243 *Oxalis*

Acetosella.

- Counties all, except 31 46 51
 53 60 112; it may be really absent from the first and last of these counties.

245 *Euonymus*

europæus.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts south. Flower cat.
 8 north. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 16 west!
 17 Surrey!

- 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norf. east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton!
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Bree ms.
 39 Stafford!
 40 Salop! Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan.
 47 Montgom. Bowman ms.
 48 Merioneth.
 49 Carnarvon.
 50 Denbigh. Bowman ms.†
 52 Anglesea.
 53 Linc. north. Bogg cat.
 55 Leicester. Coleman cat.
 56 Notts.
 57 Derby!
 58 Chester. Windsor sp.
 62 York n. east. Baker "sp."
 63 s. west. Lees sp.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Norman cat.
 67 Northumb. Bowman sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 73 Kirkcudb. "certainly wild."

- 80 Roxburgh. Duncan cat.
 81 Berwick.
 83 Edinb. "apparently wild."
 (69 77 84 95 109).

246 Rhamnus**catharticus.**

- 3 Devon south. Error ?
 6 Som. north. Collins ms.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south. Bromf. ms.
 12 north.
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex !
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norf. east.
 28 west. Notcutt cat.
 29 Cambridge. Fordham sp.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Newb. ms.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop.
 41 Glamorgan.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 53 Lincoln south !

- 54 Lincoln north !
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby ! Howitt cat.
 58 Chester. "Robinson."
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Still there ?
 69 Westmoreland !
 72 Dumfries ?
 (94 "Dr. Todd." 100 Prof.
 Balfour sp.)

247 Rhamnus**Frangula.**

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north !
 5 Som. south. Collins ms.
 9 Dorset. Pleydell cat.
 10 Wight ! More cat.
 11 Hants south ! Notcutt cat.
 12 north ! Baker cat.
 13 Sussex west ! Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west !
 17 Surrey ! Rev. E. Wood ms.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman sp.
 21 Middlesex. Hind cat.†
 22 Berks !
 24 Bucks. Britten cat.
 25 Suffolk east. Paget sp.
 26 west.
 27 Norf. east.
 28 west. Miss Bell ms.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Berkeley ms.

- 34 Gloster west. Thwaites sp.
 36 Hereford. Purchas cat.
 37 Worcester. Bagnall ms.
 38 Warwick. Lloyd sp.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 50 Denbigh. Bowman sp.
 53 Lincoln south!
 55 Leicester.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester. "Holland."
 59 Lanc. south! Webb cat.
 61 York s. east.
 62 n. east.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west.
 69 Westmoreland.
 70 Cumberland! Baker cat.
 75 Ayr.
 93 Aber. nor. "likely native."
 95 Elgin. "Dr. Innes."
 06 Ross east. Planted?
 07 Suth. east. Planted?

248 *Sparticum scoparium*.

Counties all, except 46 51 110 (111) 112; apparently indigenous northward to Sutherland and Caithness; and doubtless to be found in every county south from those two.

249 *Ulex europæus*.

Counties all, except 46 and eight of the usual nine. To the North Isles it has likely been introduced by sowings of seed; as is also the case with many other of its lo-

calities in North Britain, especially those in the North Highlands.

250 *Ulex* "nanus."

All the English counties, except 19 23 30 31 43 44 45 47 48 51 53 54 60 61 71. In Scotland, recorded for 74 75; [also in 81 83 85 90 95]. This area includes the two segregates, which of late have been recorded apart as under.

250 *Ulex* eu-nanus.

- 9 Dorset. Pleydell cat.
 10 Wight! Stratton sp.
 12 Hants north! Baker cat.
 13 Sussex west! Baker cat.
 14 east. Carr sp.
 17 Surrey!
 21 Middlesex!
 22 Berks!
 27 Norf. east. Cooper sp.
 34 Gloster west?
 [63 64 66; doubtful].

250 *Ulex* Gallii.

- 1 Corn. west!
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north.
 6 Som. south.
 7 Wilts north. Preston ms.
 9 Dorset. Pleydell cat.
 10 Wight. More ms.
 11 Hants south.
 17 Surrey!
 22 Berks.
 25 Suff. east. Purchas ms.
 29 Cambridge?
 34 Gloster west. Purchas sp.

- 35 Monmouth.
- 36 Hereford. Purchas sp.
- 37 Worcester. Bagnall ms.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas sp.
- 40 Salop. Newman ms.
- 41 Glamorgan.
- 43 Radnor. Newman sp.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Atwood sp.
- 48 Merioneth.
- 49 Carnarvon. Atwood sp.
- 50 Denbigh. Stratton ms.
- 57 Derby. Whittaker sp.
- 58 Chester! Warren cat.
- 59 Lanc. south. Dugdale sp.
- 62 York n. east.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 65 n. west.
- 67 Northumb. Oliver sp.
- 68 Cheviotland.
- 69 Westmoreland!
- 70 Cumberl. Addison sp.
- 71 Man. "Babington."
- 74 Wigton. Balfour sp.
- 75 Ayr. Arnott ms.
- Galloway. Lloyd sp.
- (92 "a solitary plant").

251 *Genista* *tinctoria*.

- 1 Corn. west! v. humifusa.
- 3 Devon south?
- 4 north?
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south. Notcutt cat.
- 12 north!
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.

- 16 Kent west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Hind cat.
- 22 Berks!
- 23 Oxford. Beesley cat.
- 24 Bucks.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west. Bell ms.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Shawe sp.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Moggridge sp.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Atwood ms.
- 46 Cardigan. Atwood ms.
- 50 Denbigh. Bowman cat.
- 52 Anglesea.
- 54 Linc. north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby! Howitt cat.
- 58 Chester! Warren cat.
- 59 Lanc. south. Webb cat.
- 60 west.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west,
- 64 m. west. Tatham cat.
- 65 n. west. Ward cat.
- 66 Durham. Norman cat.
- 67 Northumberland.
- 68 Cheviot. Miss Pringle sp.
- 69 Westmoreland!

- 70 Cumberland. Baker cat.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 74 Wigton. Balfour sp.
 81 Berwick. Embleton sp.
 83 Edinburgh ?
 Drumshorland Moor. G. sp.

252 Genista
pilosa.

- 1 Corn. west! Cunnaek sp.
 14 Sussex east.
 15 Kent east. Smith cat.
 26 Suff. west. Bloomfield ms.
 37 Worcester. Extinct.
 45 Pembroke. Lees sp.
 [39 48 69; errors ?]

253 Genista
anglica.

- Counties all, except 5 or 6 26
 31 33 51 54 60 71 75
 76 84 98 to 105 107 to 112.

254 Ononis
arvensis.

- Counties all, except 31 46 49
 51 53 86 97 101 104 107
 109 to 112, with the usual
 nine.

255 Ononis
spinosa.
campestris.
antiquorum.

- 1 Corn. east. Pascoe cat.
 3 Devon south. Torquay flo.
 4 north. Rav. flo.
 5 Som. south. J. Poole ms.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. Bromf. "error."
 11 Hants south. Bromf. herb.
 12 north. And. flo.

- 13 Sussex west. Borrer cat.
 14 Sussex east. Tonb. flo.
 15 Kent east! Smith cat.
 16 west. Tonb. flo.
 17 Surrey!
 18 Essex south. Varenne ms.
 19 north. Varenne cat.
 20 Herts. W. & C. flo.
 21 Middlesex! Hind cat.
 22 Berks. Britten flo.
 23 Oxford. Beesley cat.
 24 Bucks. Britten v. sp.
 25 Suffolk east. Skepper flo.
 26 west. Henslow.
 27 Norf. west. Munford.
 29 Cambridge. Babington cat.
 30 Bedford. Abbot flo.
 31 Hunts. Newbould cat.
 32 Northton. Noteutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas flo.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan. Gutch add.
 45 Pembroke. Atwood ms.
 51 Flint? Wats. mem.
 53 Linc. south? Wats. mem.
 55 Leicester. Bloxam cat.
 56 Notts. Howitt flo.
 57 Derby. Bloxam ms.
 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east. Moore ms.
 62 n. east. Baker cat.
 63 s. west. Moore ms.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. New flo.
 67 Northumb. New flo.
 68 Cheviotland. New flo.
 69 Westmoreland. Aiton.
 71 Man. Forbes cat. "v.r."
 72 Dumfries. Gray cat.

- 74 Wigton. Balfour sp.
 75 Ayr. Goldie to Macnab sp.
 81 Berwick. Border flo.
 82 Hadd. Edin. Bot. cat. "5."
 83 Edinburgh. Balfour flo.
 85 Fife? Edin. Bot. cat. "5."
 90 Forfar? Gard. flo.
 99 Dunbarton? Hooker sp.

N.B. The habitats of this species and the preceding *Ononis* are inextricably confused in books; nor can I trust my own notes and lists of years past with any confidence of the names having been then rightly applied. The fragments sent to me as *spinosa*, being branchlets without roots or pods, are unsatisfactory. Under these uncertainties all the counties from my compiled notes are given above, in connexion with the authorities for them.

257 Anthyllis vulneraria.

Counties all, except 18 31 32 44 51 53 75 86 97 98 107, with the usual nine. This can scarcely be classed among the "common" plants, although it is here indicated as occurring in 92 counties, and these including the northern and southern extremes of Britain.

257 Anthyllis Dillenii.

- 1 Corn. west! Cunnack sp.
 2 east? Pascoe cat.
 3 Devon south. Briggs cat.
 Sussex. Borrer cat. co.
 41 Glamorgan.

- 45 Pembroke.
 52 Anglesea. Crotch sp.

258 Medicago sylvestris.

- 26 Suff. west. Babington sp.
 27 Norf. east. Eng. Bot. 3.
 28 west. Eng. Bot. 3.
 29 Cambridge. Hort sp.

259 Medicago falcata.

- 25 Suff. east?
 26 west. Bunbury sp.
 27 Norf. east. Cooper sp.
 28 west. Gibson ms.
 29 Cambridge. Hort sp.
 [3 6 9 13 15 17 (19) 20
 39 41 62 (66 67); all
 these either erroneous or in-
 sufficiently vouched, or non-
 indigenous habitats].

260 Medicago lupulina.

Counties all, except 35 72 73 88 97 101 104 107 to 110 (111) 112, with the usual nine; doubtless occurring in all up to 100 or higher.

261 Medicago maculata.

- 1 Corn. west!
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 6 north. Rogers sp.
 8 Wilts south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! Miss Bell sp.
 13 Sussex west!
 14 east. Hill cat.
 15 Kent east! Smith cat.
 16 west!

- 17 Surrey! Ellis ms.
 18 Essex south. Varenne ms.
 19 north. Varenne cat.
 21 Middlesex! Bell ms.
 23 Oxford.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west. Bell sp.
 29 Cambridge. Babington cat.
 34 Gloster west! Thwaites cat.
 38 Warwick. Kirk cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Bowman ms.
 50 Denbigh?
 52 Anglesea.
 55 Leicester.
 56 Notts.
 62 York n. east. "native."
 66 Durham. Lees ms.†
 67 Northumb. "native."
 (58 59 63 68 80 85).

**262 *Medicago*
*denticulata.***

- 1 Corn. west. Bailey ms.
 2 east. Briggs cat.
 3 Devon south. Goulding sp.
 8 Wilts south.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south.
 13 Sussex west. Trevelyan sp.
 14 east. Maw sp.
 15 Kent east. Smith cat.
 18 Essex south. Syme sp.
 19 north.
 25 Suff. east. Babington sp.
 27 Norfolk east.
 28 west.
 62 York n. east.
 (21 36 37 58 59 63 64 66
 80 85 92; alien or casual
 in these counties, and per-
 haps the same in at least
 some of those named above).

**263 *Medicago*
*minima.***

- 15 Kent east. Brent sp.
 16 west. Smith ms.
 17 Surrey. Twining sp.
 18 Essex south.
 19 north. Varenne ms.
 25 Suff. east. Notcutt sp.
 26 west. Bunbury sp.
 28 Norf. west. Wardale sp.
 29 Cambridge. Babington cat.
 [3 6 41]. (66).

**264 *Melilotus*
*officinalis.***

- 1 Corn. west! Cunnack cat.
 2 east. Briggs cat.†
 3 Devon south! Briggs cat.†
 4 north.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Trevelyan sp.
 10 Wight. More cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Borrer cat.
 14 east. Hill cat.
 15 Kent east! Smith cat.
 16 west. Dennes ms.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks.
 23 Oxford. Bidwell sp.
 24 Bucks. Britten cat.
 25 Suffolk east. Paget sp.
 26 west.
 27 Norfolk east. Cooper sp.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.

- 32 Northton ! Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas cat.
 40 Salop.
 41 Glamorgan.
 45 Pembroke. Babington cat.
 46 Cardigan. Atwood ms.
 52 Anglesea.
 54 Lincoln north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester!
 59 Lanc. south. Webb cat.
 60 west!
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.†
 64 m. west. Lees cat.†
 65 n. west. Ward cat.
 66 Durham. Storey sp.
 67 Northumb. "colonist."
 68 Cheviotland. "colonist."
 70 Cumberland?
 77 Lanark. Hennedy cat.†
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour cat.
 85 Fife! Introduced?
 87 Perth west. Syme cat.†
 (90 91 92 95 109; introduced in these, and likely to some of the other counties also).

265 Melilotus**vulgaris.****leucantha.**

N.B. Few botanists indeed report this as a truly indigenous plant; and usually

it is treated only as an alien or casual. My notes for its counties are thus:—(3 5 or 6 9 10 11 13 15 17 18 19 20 21 23 24 26 27 28 33 34 36 38 41 44 58 59 62 64 65 66 67 68 71 75 81 82 83 85 87 90 95).

266 Trigonella**ornithopodioides.**

- 1 Corn. west. Curnow sp.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 5 Som. south. Gifford sp.
 9 Dorset. Pleydell cat.
 10 Wight. More sp.
 11 Hants south. Pamplin ms.
 12 north. Pamplin ms.
 13 Sussex west. Borrer cat.
 15 Kent east. Smith cat.
 16 west. Holman sp.
 17 Surrey!
 18 Essex south.
 19 north. Varenne sp.
 20 Herts.
 21 Middlesex.
 22 Berks.
 25 Suffolk east. Bell sp.
 27 Norfolk east. Fitt sp.
 28 west.
 34 Gloster west. Thwaites sp.
 52 Anglesea.
 58 Chester. Bean sp.
 75 Ayr. G. Macnab sp.
 76 Renfrew.
 83 Edinburgh. Twynam sp.
 85 Fife.

[7 23 50 (62) 64 70 90; authorities insufficient].

267 Trifolium**repens.**

Counties all, except only the usual nine.

268 Trifolium**subterraneum.**

- 1 Cornwall west. Warren sp.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 8 Wilts south.
- 9 Dorset. Pleydell cat.
- 10 Wight!
- 11 Hants south. Notcutt cat.
- 13 Sussex west.
- 15 Kent east. Smith cat.
- 16 west. Macnab sp.
- 17 Surrey! Ellis ms.
- 18 Essex south. Varenne ms.
- 19 north. Varenne sp.
- 20 Herts.
- 21 Middlesex!
- 22 Berks.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norf. east. Paget sp.
- 28 west. Bell sp. don.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 34 Gloster west. Thwaites cat.
- 38 Warwick. Kirk ms.
- 46 Cardigan. Atwood sp.
- 52 Anglesea.
- 55 Leicester.
- 56 Notts.
- 62 York n. east?
[58]. (66 75).

269 Trifolium**ochroleucum.**

- 18 Essex south. Varenne ms.
- 19 north. Christy sp.
- 20 Herts. Coleman sp.
- 25 Suffolk east. Stock cat.
- 26 west. Bell sp.

27 Norfolk east.**28 west. Bell sp.****29 Cambridge. Babington cat.****30 Bedford. Newbould ms.****31 Hunts. Newbould cat.**

(64 66). [3 9 11 16 17
21 37 39 53 59; insuffi-
ciently vouched; mostly
errors?]

270 Trifolium**Molinerii.**

- 1 Cornwall west. Hore sp.

271 Trifolium**pratense.**

Counties all, except only the
usual nine, doubtless through
lack of records.

272 Trifolium**medium.**

Counties all, except 12 32 35
46 51 53 54 71 75 80 97
98 107 to 110, with the
other usual nine. Much
less frequent than *pratense*;
indeed, it might almost
unite with the "not com-
mon" plants.

274 Trifolium**maritimum.**

- 2 Cornwall east?
- 3 Devon south?
- 5 Som. south. Clark sp.
- 6 north. Trevelyan sp.
- 9 Dorset. Ray sp. Payne sp.
- 11 Hants south. Streatham sp.
- 13 Sussex west. Borrer ms.
- 14 east.
- 15 Kent east. Syme sp.
- 16 west. Syme sp.
- 18 Essex south. Syme sp.
- 19 north. Varenne sp.
- 25 Suff. east? Error for 27?

- 27 Norfolk east. Fitt sp.
 28 west.
 34 Gloster west. Thwaites cat.
 35 Monmouth. Purchas sp.
 41 Glamorgan. Pleydell, 1865.
 48 Merioneth?
 70 Cumberland?
 (66 67; on ballast).

275 Trifolium**arvense.**

- | | |
|--|---|
| <p>1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north. Ravenshaw.
 5 Som. south. Coleman cat.
 6 north. Thwaites sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south!
 12 north!
 13 Sussex west. Trevelyan sp.
 14 east. Coleman cat.
 15 Kent east! Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Paget sp.
 26 west.
 27 Norf. east. Cooper sp.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick. Kirk cat.</p> | <p>39 Stafford! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Purchas ms.
 48 Merioneth.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 53 Lincoln south!
 54 north!
 55 Leicester.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west.
 64 m. west.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumberland.
 68 Cheviot. Embleton sp.
 70 Cumberland.
 71 Man. Macnab cat.
 72 Dumfries. Gray cat.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Balfour sp.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 85 Fife. Syme cat.
 87 Perth west!
 88 mid?
 90 Forfar.
 91 Kincardine.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness. Stables cat.</p> |
|--|---|

- 00 Clyde-isles. Hennedy cat.
 02 Eb. south. Balfour cat.
 06 Ross east. Gordon cat.

276 *Trifolium* *scabrum*.

- 1 Corn. west. Bailey ms.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 6 north.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 14 Sussex east. Hill cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex east.
 19 west.
 23 Oxford. Beesley cat.
 25 Suffolk east. Stock sp.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 34 Gloster west. Thwaites sp.
 37 Worcester.
 38 Warwick. Kirk cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Purchas sp.
 52 Anglesea. Bowman ms.
 62 York n. east.
 64 n. west.
 65 n. west.
 66 Durham.
 67 Northumb. Storey sp.†
 68 Cheviot. Embleton sp.
 82 Haddington.
 83 Edinburgh.
 85 Fife. Lloyd sp. "extinct."
 90 Forfar. Croall sp.
 91 Kincardine. Gardiner sp.

[21 50 58; these three need verification]. *T. striatum* is mislabeled *scabrum* occasionally.

277 *Trifolium* *striatum*.

- 1 Corn. west. Cunnack sp.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north?
 5 Som. south. Coleman cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south. E. Burton sp
 13 Sussex west. Borrer cat.
 14 east. Purchas "!"
 15 Kent east. Smith cat.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks.
 23 Oxford. Beesley ms.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east. Paget sp.
 28 west. Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton.
 34 Gloster west. Thwaites sp.
 36 Hereford. Purchas cat.
 37 Worcester. Lees sp.
 38 Warwick. Bromwich sp.
 39 Stafford.
 40 Salop. Leighton cat.
 46 Cardigan. Atwood sp.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 55 Leicester. Bloxam sp.
 56 Notts. Carrington sp.
 57 Derby. Ch. Bab. ms.
 58 Chester. Webb sp.

- 59 Lanc. south. Webb cat.
 62 York n. east.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Ward cat.
 66 Durham.
 67 Northumberland.
 68 Cheviotland. Tate ms.
 70 Cumberland. "Chambers."
 71 Man. Forbes to Brand sp.
 75 Ayr. Duncan cat.
 80 Roxburgh.
 81 Berwick.
 82 Haddington.
 83 Edinburgh! Maughan sp.
 84 Linlithgow.
 85 Fife. Syme sp.
 86 Stirling!
 87 Perth west!
 90 Forfar. Gardiner sp.
 91 Kincardine. Gardiner sp.
 (111 Neill's Tour).

277 Trifolium**Bocconi.**

- 1 Corn. Hore sp. Johns sp.

278 Trifolium**glomeratum.**

- 1 Corn. west. Scilly list.
 2 east. Briggs cat.
 3 Devon south. Hore sp.
 5 Som. south. Coleman cat.
 9 Dorset. Pleydell cat.
 10 Wight. More sp.
 Sussex. Borrer cat. co.
 15 Kent east. Smith cat.
 16 west. Syme sp.
 17 Surrey!
 18 Essex south.
 21 Middlesex. Extinct?
 25 Suffolk east. Stock sp.
 27 Norfolk east. Paget sp.
 [41 44 50 55; errors?].
 (66; on ballast hills).

278 Trifolium**strictum.**

- 1 Corn. Johns sp. Pascoe sp.
 52 Anglesea? Very doubtful.

279 Trifolium**suffocatum.**

- 1 Corn. west. Cunnack cat.
 2 east?
 3 Devon south. Hore sp.
 6 Som. north. Extinct?
 10 Wight. More sp.
 11 Hants south. E. Burton sp.
 14 Sussex east?
 15 Kent east. Smith cat.
 25 Suffolk east. Stock sp.
 27 Norfolk east. G. Pitt sp.
 28 west.
 52 Anglesea! Tudor sp.
 [18 "Irvine." Error].

280 Trifolium**fragiferum.**

- 1 Corn. west. Cunnack cat.
 2 east.
 3 Devon south.
 4 north. Maw cat.
 5 Som. south.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south.
 9 Dorset. Miss Twining sp.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 13 Sussex west! Borrer cat.
 14 east. Hill cat.
 15 Kent east! Smith cat.
 16 west!
 17 Surrey! Wood ms.
 18 Essex south. Varenne ms.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks. Britten cat.
 23 Oxford. Beesley ms.
 24 Bucks. Britten cat.

- 25 Suffolk east. Paget sp.
 26 west.
 27 Norf. east. Cooper sp.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton!
 33 Gloster east. Prentice cat.
 34 west! Thwaites sp.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick.
 40 Salop.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke.
 46 Cardigan. Lees sp.
 48 Merioneth.
 50 Denbigh. Bowman cat.
 51 Flint!
 52 Anglesea.
 53 Lincoln south!
 54 north!
 55 Leicester. Bloxam cat.
 56 Notts. Mrs. Russell sp.
 58 Chester! Sansom sp.
 59 Lanc. south. Tudor sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west?
 66 Durham. Storey sp.
 67 Northumberland.
 68 Cheviotland. Oliver sp.†
 69 Westmoreland.
 75 Ayr. Duncan cat.
 81 Berwick.
 82 Haddington. Twyman sp.
 88 Edinburgh.
 85 Fife.

281 Trifolium
procumbens.

Counties all, except 35 49 51
 61 73 97 98 99 104 107

to 112. (111 Orkney;
 Neill's Tour).

282 Trifolium
minus.

Counties all, except 32 35 49
 50 57 71 72 73 80 90 95
 96 97 103 to 112; in some
 of these counties probably
 it has been recorded under
 name of *filiforme*. Likely to
 be found in every county up
 to 109, if not farther.

282 Trifolium
filiforme.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 16 west. Syme sp.
 17 Surrey! Dyer sp.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.

- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Bromwich sp.
- 39 Stafford.
- 40 Salop.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Atwood sp.
- 50 Denbigh.
- 52 Anglesea.
- 55 Leicester. Bloxam sp.
- 56 Notts.
- 57 Derby. Howitt cat.
- 58 Chester. Warren cat.
- 59 Lanc. south. Webb cat.
- 61 York s. east.
- 63 s. west.
- 64 m. west.
- 65 n. west. Ward cat.
- 66 Durham. Hort sp.
- 68 Cheviot. Embleton cat.

[70 71 77 82 to 85 90 to 96 106; it is the *T. minus* in most of these counties; perhaps so, in all of them, as well as in some of those enumerated by name; so frequent has been the error of applying the name *fili-forme* to examples of the species *minus*. I dare not trust to my own notes of past dates].

283 Lotus

corniculatus.

Counties all, except 49 and the usual nine; in all of which it will surely be found, if sought.

283 Lotus

tenuis.

- 1 Corn. west!
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 7 Wilts north. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 13 Sussex west. Borrer cat.
- 14 east. Ranking sp.
- 15 Kent east. Smith cat.
- 16 west. Syme sp.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne ms.
- 20 Herts.
- 21 Middlesex.
- 22 Berks.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 27 Norfolk east.
- 29 Cambridge. Babington cat.
- 32 Northton. Anderson ms.
- 33 Gloster east. Prentice cat.
- 34 west.
- 36 Hereford. Purchas cat.
- 38 Warwick. Bromwich sp.
- 39 Stafford.
- 52 Anglesea.
- 55 Leicester. Bloxam sp.
- 56 Notts.
- 58 Chester. Warren cat.
- 59 Lanc. south. Webb cat.
- 62 York n. east. Baker sp.
- 65 n. west. Ward cat.
- 66 Durham. Storey sp.
- 67 Northumberland.
- 68 Cheviot. Embleton sp.
- 70 Cumberland!
- 81 Berwick. Embleton sp.
- 82 Haddington.
- 83 Edinburgh! Lloyd sp.
- 84 Linlithgow.
- 85 Fife. J. B. Balfour ms.
- 87 Perth west.
- 90 Forfar.
- 91 Kinc. Mrs. Dickson sp.

284 Lotus**major.**

Counties all, except 30 46 49
51 86 95 96 97 103 to 112.

285 Lotus**angustissimus.**

- 1 Corn. west. Curnow sp.
- 2 east. Briggs cat.
- 3 Devon south! Banker sp.
- 11 Hants south. Bromf. sp.
- 14 Sussex east. Borrer.
- [6 B. G. 25 Suff. flo.]

285 Lotus**hispidus.**

- 1 Corn. west!
- 2 east. Hore sp.
- 3 Devon south.
- 4 north. Hore ms.
- 9 Dorset. Pleydell sp.

286 Astragalus**glycyphyllus.**

- 6 Som. north. "Mr. Clark."
- 7 Wilts north.
- 8 south.
- 9 Dorset. Pleydell, certain.
- 10 Wight. More cat.
- 13 Sussex west. Borrer ms.
- 15 Kent east. Smith cat.
- 16 west! Dennes ms.
- 17 Surrey! Brewer sp.
- 18 Essex south.
- 19 north. Varenne ms.
- 20 Herts.
- 22 Berks.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Bell sp.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 32 Northton. Berkeley ms.

33 Gloster east.

34 west. Thwaites cat.

36 Hereford. Shawe sp.

37 Worcester. Bagnall ms.

38 Warwick. Bloxam ms.

39 Stafford. Douglas cat.

40 Salop. Bowman ms.

50 Denbigh.

53 Linc. south. Bloxam ms.

55 Leicester. Coleman ms.

56 Notts.

Mersey?

62 York n. east.

63 s. west. Lees cat.

64 m. west. Lees cat.

65 n. west.

66 Durham.

67 Northumb. Makepeace sp.

68 Cheviot. Embleton cat.

69 Westmoreland.

70 Cumberland.

73 Kirkcudbright. Gray cat.

80 Roxburgh.

81 Berwick.

82 Haddington.

83 Edinburgh. Balfour cat.

84 Linlithgow.

85 Fife! Lawsons ms.

89 Perth east. Campbell sp.

90 Forfar. Gardiner sp.

91 Kincardine. Dickson ms.

93 Aber. north. Gordon sp.

94 Banff. Gordon ms.

95 Elgin. Gordon cat.†

06 Ross east. Gordon cat.

[1 3 77; insufficiently
vouched].

287 Astragalus**hypoglottis..**

8 Wilts south. Flower sp.

19 Essex north.

20 Herts. Fordham sp.

23 Oxford.

26 Suff. west. Bannbury sp.

28 Norfolk west.

- 29 Cambridge. Harris sp.
 30 Bedford.
 33 Gloster east. Roberts ms.
 36 Hereford. "Wilmott."
 37 Worcester.
 53 Lincoln south.
 55 Leicester.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 66 Durham. Norman cat.
 67 Northumb. Bowman sp.
 67 Cheviot. Embleton sp.
 73 Kirkeudbright.
 75 Ayr.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Scott sp.
 84 Linlithgow. Balfour cat.
 85 Fife. Boswell Syme sp.
 89 Perth east.
 90 Forfar. Gardiner sp.
 91 Kincardine. Dickson ms.
 92 Aber. south. Dickie cat.
 95 Elgin. Gordon cat.
 96 Ross east. Gordon cat.
 07 Sutherland. Gordon ms.
 [10 18 70].

288 Astragalus
alpinus.

- 90 Forfar!
 92 Aberdeen south!

289 Oxytropis
uralensis.

- 74 Wigton. Balfour sp.
 85 Fife!
 90 Forfar.
 98 Argyle.
 06 Ross east.
 08 Sutherland west!
 09 Caithness. "R. Dick. sp."

290 Oxytropis
campestris.

- 90 Forfar! Brand sp.

291 Ornithopus
perpusillus.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Trevelyan sp.
 6 north. Rogers sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south.
 12 north! Baker cat.
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south. Varenne ms.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks!
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west. Babington ms.
 27 Norf. east.
 28 west. Cooper sp.
 29 Cambridge. Harris sp.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.

- 41 Glamorgan. Atwood ms.
 45 Pembroke. Babington cat.
 46 Cardigan. Purchas cat.
 49 Carnarvon!
 50 Denbigh! Bowman cat.
 52 Anglesea.
 53 Lincoln south!
 55 Leicester.
 56 Notts.
 57 Derby.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east.
 63 s. west. Leyland sp.
 64 m. west. Lees cat.
 65 n. west.
 66 Durham. Extinct?
 69 Westmoreland.
 70 Cumberland.
 71 Man. Forbes sp.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 74 Wigton. Balfour sp.
 75 Ayr. G. Macnab sp.
 77 Lanark. Hooker sp.
 83 Edinburgh. Campbell sp.
 85 Fife.
 86 Stirling.
 87 Perth west! Syme cat.
 88 mid.
 90 Forfar? Don only?
 94 Banff.
 95 Elgin. Gordon sp.
 99 Dunbarton.

**292 Arthrolobium
ebracteatum.**

- 1 Scilly islands. Casual?
(63 S.W. York; casual).

**293 Hippocrepis
comosa.**

- 3 Devon south.
 5 Som. south? "Ford woods."
 6 north. Trevelyan sp.

- 7 Wilts north. Miss Bell sp.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 12 Hants north. Bell ms.
 13 Sussex west. Borrer cat.
 14 east. Hill cat.
 15 Kent east. Smith cat.
 16 west!
 17 Surrey! Ellis ms.
 19 Essex north.
 20 Herts. Coleman cat.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suff. east.
 26 west. Bunbury sp.
 27 Norfolk east.
 28 west.
 29 Cambridge. Harris sp.
 30 Bedford.
 33 Gloster east. Roberts ms.
 34 west! Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. "Bromwich."
 39 Stafford.
 40 Salop. "Bloxam."
 41 Glamorgan. Barnard ms.
 49 Carnarvon.
 53 Linc. south. Bloxam ms.
 56 Notts?
 57 Derby! Howitt cat.
 61 York s. east.
 63 s. west.
 64 m. west. Tatham sp.
 65 n. west. Ward sp.
 69 Westmoreland.
 75 Ayr.
 91 Kincardine. Miss Boswell,
 "apparently quite wild."

**294 Onobrychis
sativa.**

- 6 Som. north. Collins ms.
 7 Wilts north. Alexander ms.

- 9 Dorset. Pleydell cat.
- 11 Hants south. Bromfield.
- 12 north. Bromfield.
- 15 Kent east. Smith cat.
- 17 Surrey. Ellis sp.
- 18 Essex south.
- 19 north. Varenne ms.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 26 Suffolk west. Babington ms.
- 28 Norfolk west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 36 Hereford. "Wilmott."
- 37 Worcester. Bagnall ms.
- 38 Warwick. Bagnall ms.†
- 40 Salop. Bloxam ms.
- 41 Glamorgan. Barnard ms.†

Lincoln.
 (3 10 13 14 16 27 34 55
 56 61 62 63 64 65 66 67
 70 83 95; in all of these
 counties, as well as in some
 of those quoted above by
 name, the Saintfoin is re-
 garded as an introduced
 plant; at any rate, is so re-
 garded by some botanists).

295 *Vicia*

Orobus.

- 6 Som. north. Flower sp.
- 33 Gloster east. Roberts ms.
- 41 Glamorgan.
- 42 Brecon.
- 44 Carmarthen. Lees sp.
- 46 Cardigan.
- 47 Montgomery.
- 48 Merion. "Miss Holland sp."
- 49 Carnarvon. Bowman ms.
- 50 Denbigh.

- 68 Cheviot. Embleton cat.
- 70 Cumber. Heysham sp.
- 71 Man.
- 72 Dumfries.
- 77 Lanark. Balfour sp.
- 78 Peebles. G. Macnab sp.
- 81 Berwick.
- 83 Edinburgh! Little sp.
- 85 Fife.
- 90 Forfar. Gardiner sp.
- 04 Ebudes north. "Rum."
 [37 38 65 66 92].

296 *Vicia*

sylvatica.

- 3 Devon south. Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites sp.
- 7 Wilts north. Flower cat.
- 8 south.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 15 Kent east. Smith cat.
- 20 Herts. Isaac Brown sp.
- 22 Berks.
- 23 Oxford.
- 24 Bucks.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 35 Monmouth. Ch. Bab. ms.
- 36 Hereford. Shawe sp.
- 37 Worcester.
- 38 Warwick. Bloxam ms.
- 39 Stafford.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Pleydell ms.
- 49 Carnarvon!
- 50 Denbigh. Bowman cat.
- 51 Flint.
- 52 Anglesea.
- 54 Linc. north. Thompson ms.
- 55 Leicester.
- 56 Notts.

- 57 Derby! "Mr. Astley."
 58 Chester.
 61 York s. east.
 62 n. east. Bloxam ms.
 63 s. west.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Bowman sp.
 67 Northumb. Makepeace sp.
 68 Cheviotland. Pringle sp.
 69 Westmoreland.
 70 Cumberland.
 73 Kirkcudbright. Gray cat.
 74 Wigton. G. Macnab sp.
 75 Ayr.
 77 Lanark. Hooker sp.
 81 Berwick. Syme sp.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 85 Fife.
 87 Perth west. Syme cat.
 88 mid.
 89 east!
 90 Forfar!
 91 Kinc. Mrs. Dickson ms.
 92 Aber. south!
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness. Stables cat.
 99 Dunbarton!
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 05 Ross west.
 06 east. Gordon cat.
 09 Caithness. Brown cat.
 [1 13 25 29 48].

297 Vicia**Cracca.**

Counties all, except 46 and the usual nine, where doubtless it does occur.

298 Vicia**"sativa."**

Counties all, with few exceptions; but apparently a confused mingling of the sown "Tare" with the truly "Wild vetch."

298 Vicia**angustifolia.**

- 1 Corn. west.
 2 east. Briggs cat.
 3 Devon south. Briggs sp.
 4 north. Maw cat.
 5 Som. south. Trevelyan sp.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south.
 12 north! Baker cat.
 13 Sussex west. Borrer cat.
 14 east.
 16 Kent west. Trevelyan sp.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks!
 23 Oxford. Beesley ms.
 24 Bucks. Britten cat.
 25 Suff. east. Purchas ms.
 27 Norf. east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 48 Merioneth. Leefe sp.

49 Carnarvon!
 50 Denbigh. Bowman cat.
 52 Anglesea.
 53 Lincoln south!
 54 north!
 55 Leicester. Bloxam cat.
 56 Notts.
 58 Chester! Hunt sp.
 59 Lanc. south. Webb cat.
 62 York n. east. Baker cat.
 63 s. west. Leyland sp.
 64 m. west.
 65 n. west.
 66 Durham.
 67 Northumberland.
 68 Cheviot. Embleton sp.
 69 Westmoreland.
 70 Cumberland.
 71 Man. Forbes sp.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh.
 81 Berwick?
 82 Haddington?
 83 Edinburgh!
 84 Linlithgow. Balfour sp.
 85 Fife. Syme cat.
 90 Forfar.
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie cat.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness. Stables cat.
 99 Dunbarton?
 00 Clyde-isles. Hennedy cat.
 N.B. Including *Bobartii* as only
 a weakly state, not a real
 variety.

299 *Vicia**lathyroides.*

6 Som. north. Collins ms.
 10 Wight. More cat.
 13 Sussex west. Borrer cat.
 15 Kent east. Smith cat.
 16 west.

17 Surrey. Ellis ms.
 21 Middlesex.
 22 Berks.
 24 Bucks.
 25 Suffolk east. Bell sp.
 26 west.
 27 Norf. east.
 28 west. Notcutt cat.
 30 Bedford. Brown sp.
 37 Worcester. Bagnall ms.
 38 Warwick. "Bromwich."
 39 Stafford. Douglas cat.
 41 Glamorgan. Moggridge sp.
 45 Pembroke.
 47 Montgomery. Bowman ms.
 56 Notts.
 58 Chester. Sansom sp.
 59 Lanc. south. Bean sp.
 64 York m. west. Baker sp.
 66 Durham.
 67 Northumb. Bowman sp.
 68 Cheviotland. Tate cat.
 71 Man. Forbes cat.
 75 Ayr. G. Macnab sp.
 81 Berwick.
 82 Haddington?
 83 Edinburgh! Balfour cat.
 85 Fife. Syme sp.
 89 Perth east.
 90 Forfar. Kerr sp.
 91 Kincardine?
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness. Stables cat.
 99 Dunbarton.
 00 Clyde-isles. Hennedy cat.
 06 Ross east. Gordon cat.

[1 2 3 9 18 29 33 40
 61 62 63; insufficiently
 vouched]. Not readily to
 be distinguished from the
 dwarfed states of *V. angusti-*
folia or *Bobartii*, and thus
 some of the counties named

above may also be erroneous.

300 *Vicia*

lutea.

- 1 Corn. west. Cunnack cat.
- 2 east.
- 3 Devon south.
- 6 Som. north. Collins ms.
- 9 Dorset. Pleydell cat.
- 13 Sussex west. Christy sp.
- 25 Suff. east. Bloomfield ms.
- 58 Chester. F. M. Webb sp.
- 75 Ayr. "P. Maclagan sp."
- 83 Edinburgh! J. B. Balf. ms.
- 85 Fife! Nicholson sp.
- 88 Perth mid?
- 90 Forfar.
- 91 Kincardine. Croall sp.

301 *Vicia*

sepium.

- Counties all, except 31 35 46
75 86 98 107 112.

302 *Vicia*

bithynica.

- 1 Cornwall west?
- 2 Devon south!
- 5 Som. south. Coleman cat.
- 6 north. Russell sp.
- 9 Dorset. Pleydell cat.
- 13 Sussex west. Extinct.
- 15 Kent east. Syme sp.
- 16 west. Bromf. ms.
- 18 Essex south. Salmon sp.
- 19 north. Bentall sp.
- 34 Gloster west.
- 37 Worcester.
- 41 Glamorgan.
- 50 Denbigh. Price sp.
- 51 Flint.
- 62 York n. east. Native?
[10 11]. (66 ballast hills).

303 *Vicia*

hirsuta.

- Counties all, except 35 46 51
54 69 86 97 98 106 107
108 110 [111] 112.

304 *Vicia*

tetrasperma.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north!
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Miss Gifford sp.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Hind cat.
- 22 Berks!
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west. Bell sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 36 Hereford. Purchas cat.
- 37 Worcester. G. Reece sp.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.

- 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan.
 50 Denbigh. Bowman cat.
 52 Anglesea!
 53 Lincoln south.
 54 north!
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Ward cat.
 66 Durham.
 67 Northumberland.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 77 Lanark. Hooker sp.
 83 Edinburgh.
 85 Fife. Balf. sp. Exurs.†
 90 Forfar. "G. Macnab."
 [111 Orkney; Lowe's list].

304 Vicia**gracilis.**

- 6 Som. north?
 7 Wilts north. Flower sp.
 9 Dorset. Norman sp.
 10 Wight! Bromfield sp.
 16 Kent west.
 17 Surrey! casual?
 18 Essex south. Syme sp.
 19 north. Varenne ms.
 20 Herts.
 22 Berks.
 24 Bucks. Britten cat.
 29 Cambridge. Babington cat.
 31 Hunts. Newbould cat.
 38 Warwick. "Cheshire."
 [3 Flower, "Parker"].

305 Lathyrus**Aphaca.**

- 3 Devon south.
 5 Som. south. Coleman cat.
 6 north. Thwaites sp.
 7 Wilts north.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 11 Hants south. "Bromf.-hb."
 12 north.
 13 Sussex west. Borrer ms.
 Kent...? "North Kent."
 17 Surrey. Ellis sp.
 18 Essex south. Varenne ms.
 19 north. Christy sp.
 20 Herts. Fordham sp.
 21 Middlesex?
 23 Oxford.
 24 Bucks.
 25 Suffolk east. Stock ms.
 26 west. Bromf. sp.
 27 Norfolk east.
 29 Cambridge. Babington cat.
 33 Gloster east.
 34 west! Thwaites cat.
 37 Worcester. Maw sp.
 38 Warwick.
 Lincoln. "Carrington."
 (57 59 62 64 66 67 75
 83 88 or 89; casual in
 most of these counties;
 erroneously recorded in two
 or three of them?)

306 Lathyrus**Nissolia.**

- 1 Corn. west. Cunnack cat.†
 2 east.
 3 Devon south. Briggs cat.†
 4 north?
 5 Som. south. Coleman cat.
 6 north. Trevelyan sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.

- 11 Hants south.
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west. Downs sp.
 17 Surrey! Ellis sp.
 18 Essex south. Bromf. ms.
 19 north. Christy sp.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten "v. sp."
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east. Bloxam ms.
 28 west. Miss Bell sp.
 29 Cambridge?
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Berkeley ms.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 37 Worcester. Lees sp.
 38 Warwick. Lloyd sp.
 39 Stafford.
 Lincoln. "Carrington."
 55 Leicester.
 57 Derby. Davidson sp.
 [36 50 56 61 81; errors?]
 (67 70 75 90; casual?)

307 *Lathyrus*

hirsutus.

- 17 Surrey. W. Bennett sp.
 18 Essex south. Varenne sp.
 [6 57 61]. (6 66).

308 *Lathyrus*

pratensis.

- Counties all, except 96 107
 with the usual nine; likely
 to occur in every county.

309 *Lathyrus*

palustris.

- 6 Som. north. Clark sp.
 11 Hants south. Notcutt.
 17 Surrey? Extinct.
 22 Berks. Britten "v. sp."
 25 Suff. east. Woodward sp.
 27 Norf. east. Christy sp.
 29 Cambridge. Babington cat.
 31 Hunts. Bree sp.
 48 Merioneth. Bowman ms.
 49 Carnarvon. Howitt sp.
 53 Linc. south?
 54 north. Thompson ms.
 61 York s. east.
 63 s. west. Lees cat.
 64 m. west.
 York...? Tatham sp.
 74 Wigton? "Galloway."
 [22 37 55 57 59].

310 *Lathyrus*

sylvestris.

- 1 Corn. west.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 5 Som. south. Christy sp.
 6 north.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south.
 12 north.
 13 Sussex west. Borrer ms.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey. Linnell sp.
 18 Essex south.
 19 north.
 20 Herts. Coleman cat.†
 22 Berks.
 23 Oxford. Miss Bell sp.
 24 Bucks. Britten "v. sp."
 25 Suffolk east?
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.

- 31 Hunts.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 46 Cardigan. Lees sp.
 47 Montgomery. Bowman ms.
 48 Merioneth.
 49 Carnarvon.
 50 Denbigh!
 52 Anglesea.
 55 Leicester.
 56 Notts.
 70 Cumberland.
 73 Kirkcudbright. Balfour sp.
 75 Ayr.
 77 Lanark. Balfour sp.
 81 Berwick. Embleton sp.
 83 Edinburgh. Balfour cat.
 87 Perth west.
 90 Forfar.
 00 Clyde-isles. Landsborough.
 03 Mull. Syme, "certainly
 (62 63 64 66). wild."
 [7 8 21 58 91; insuffi-
 ciently vouched. Perhaps
 not truly wild in some of
 the other counties].

311 Lathyrus maritimus.

- 9 Dorset. Pleydell cat.
 14 Sussex east.
 15 Kent east!
 25 Suffolk east.
 54 Lincoln north.
 70 Cumberland?
 90 Forfar.
 12 Shetland. Edmonston sp.

[1 10 111; dubious].

312 Orobus tuberosus.

- Counties all, except 25 27 28
 29 31 46 51 54 60 75 86
 97 98 99 107 110.

313 Orobus niger.

- 68 Cheviot. Tate sen. ms.
 89 Perth east. Anderson sp.
 90 Forfar.
 96 Easternness.
 N.B. Reported also from several other counties—Devon, Orkney, &c.—through misnaming the other species for this one. Perhaps introduced to all the four counties named above.

314 Prunus spinosa.

- Counties all, except 75 89 97
 98 104 107 109 to 112
 with the usual nine.

314 Prunus insititia.

- 1 Corn. west. Cunnack cat.†
 2 east. Briggs sp.
 3 Devon south. Briggs cat.†
 4 north.
 6 Som. north.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.†
 12 Hants north.
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.

- 20 Herts. Coleman cat.†
 21 Middlesex. Hind cat.
 22 Berks.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Coleman ms.
 26 west.
 27 Norfolk east.
 28 west. Miss Bell ms.
 29 Cambridge.
 30 Bedford.
 33 Gloster east.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton cat.
 44 Carmarthen. Motley cat.
 46 Cardigan. Purchas ms.
 49 Carnarvon!
 52 Anglesea.
 53 Lincoln south!
 54 north. Bogg cat.
 55 Leicester. Ch. Bab. ms.†
 56 Notts. Howitt sp.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south.
 62 York n. east. Baker cat.
 64 m. west. Tatham cat.
 66 Durham. Norman cat.
 67 Northumberland.
 68 Cheviotland. Tate cat.
 70 Cumberland.
 72 Dumfries.
 74 Wigton. Balfour sp.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 00 Clyde-isles. Hennedy cat.
 (80 81 83 85 88 90 91
 106). This is treated as a
 native both in the Clydes-
 dale and the Edinburgh
 Floras; but as the *P. domes-*
tica is equally so given in
 the Flora of Edinburgh, not

much weight can be attached
 to that evidence. Even in
 England many of its re-
 ported localities are artifi-
 cial, having originated
 through planting; and the
 line of distinction between
 this and *P. spinosa* is uncer-
 tainly traced. Thus, the
 above enumeration of coun-
 ties is to be received with
 some distrust.

315 Prunus

Padus.

- 33 Gloster east. Prentice cat.
 36 Hereford.
 38 Warwick. "introduced."
 39 Stafford.
 40 Salop. Leighton ms.
 41 Glamorgan. Dillw. ms.
 42 Brecon.
 48 Merioneth. Gibson ms.
 49 Carnarvon. Leefe ms.
 50 Denbigh! Bowman cat.
 51 Flint.
 55 Leicester. Coleman.†
 56 Notts.
 57 Derby! Howitt sp.
 58 Chester! Warren cat.†
 59 Lanc. south. Goodlad hb.
 60 west.
 62 York n. east. Baker cat.
 63 s. west. Leyland sp.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumb. Storey ms.
 68 Cheviotland. Tate cat.
 69 Westmoreland!
 70 Cumberland!
 72 Dumfries.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.

- 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. Lawson cat.†
 86 Stirling.
 87 Perth west. Syme cat.
 89 east.
 90 Forfar. Roy ms.
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie cat.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness. Stables cat.
 00 Clyde-isles. Hennedy cat.
 02 Eb. south. Balfour cat.
 04 north. Lawson cat.
 06 Ross east. Ch. Bab. ms.
 08 Suth. west.
 09 Caithness. Brown cat.
 N.B. Localities are also on record for this tree in several counties of the four first provinces, from Cornwall to Norfolk. With few exceptions it is indicated only as an introduced or planted tree in those counties. I have received the American *P. serotina*, labelled as wild *Padus*, from two of the southern counties.

316 Prunus avium.

Counties all, except 13 31 34
 41 46 53 60 84 86 89 93
 97 98 99 101 103 to 108
 110 to 112. Two practical difficulties arise in attempts to trace the distribution of this tree. First, in many books and lists the name *Cerasus* is used indiscriminately for either or both the

species. Second, the widest diversities of opinion occur as to the indigenous or introduced character of each species. For the counties of South Britain the *Avium* is usually treated as native. For those of North Britain it is usually noted as probably introduced. For the counties of Mid Britain, there is an approximate balance of opinions; some for, some against nativity. No doubt the seeds are still carried in the crops of birds, from gardens to wilds; but whether the origin has been really from gardens, *at first*, or from wilds to gardens, cannot be satisfactorily decided now.

316 Prunus Cerasus.

- 3 Devon south. Briggs sp.†
 7 Wilts north. Preston ms.†
 9 Dorset. Pleydell. Borrer.
 10 Wight! Salter sp. More.†
 13 Sussex west. Borrer cat.
 15 Kent east. Planted?
 17 Surrey! Linnell sp.
 19 Essex north. Varenne cat.
 20 Herts.
 21 Middlesex. Hind cat.†
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 28 Norf. west. Notcutt ms.
 29 Cambridge. Extinct?
 30 Bedford.
 36 Hereford. Purchas.†
 38 Warwick. Bromwich sp.
 40 Salop. Leighton cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Purchas ms.

- 50 Denbigh?
 52 Anglesea.
 55 Leicester. Bloxam sp.
 58 Chester! Bird-sown?
 64 York m. west. Lees cat.
 65 n. west. Ward sp.
 N.B. A selection from the counties on record for *Prunus Cerasus*; being those in which the *Cerasus austera* or true fruticose Cherry appears to have been intended. For myself, though inclined to accept this as an indigenous shrub, I do so with no positiveness. (1 2 4 27 68 70 83 87 91 92 94).

317 Spiræa

Ulmaria.

- Counties all, except 46 86 98 107, with the usual nine; doubtless it does occur in all of them.

318 Spiræa

Filipendula.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.†
 3 Devon south.
 6 Som. north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight.
 11 Hants south.
 12 north!
 13 Sussex west. Borrer cat.
 14 east! Hall cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey! Wood ms.
 18 Essex south.
 19 north.
 20 Herts. Blow ms.
 21 Middlesex.

- 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks.
 25 Suffolk east?
 26 west.
 28 Norfolk west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts? "Aikin."
 33 Gloster east.
 34 west. Thwaites sp.
 36 Hereford. "Wilmott."
 37 Worcester.
 38 Warwick. Bloxam ms.
 39 Stafford.
 40 Salop?
 49 Carnarvon. Bowman ms.
 52 Anglesea.
 53 Linc. south! Bloxam ms.
 54 north! Bogg cat.
 55 Leicester.
 56 Notts.
 57 Derby. Howitt cat.
 60 Lanc. west. Simpson sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumberland.
 68 Cheviotland. Tate ms.
 69 Westmoreland! Pinder ms.
 70 Cumberland.
 81 Berwick. Embleton ms.
 83 Edinburgh! Balfour cat.
 85 Fife.
 90 Forfar.
 (77 91 106).

320 (323) Dryas octopetala.

- 39 Stafford.
 49 Carnarvon.
 64 York m. west. Tatham cat.
 65 n. west.

- 69 Westm. Backhouse, 1869.
 88 Perth mid! Hooker sp.
 89 east. Brand sp.
 90 Forfar!
 92 Aber. south! Dickie cat.
 98 Argyle.
 01 Cantire. Balfour sp.
 04 Eb. north.
 05 Ross west.
 08 Suth. west! Graham sp.
 11 Orkney. Syme sp.
 [66 109; errors of place?]

321 Geum**urbanum.**

- Counties all, except 71 97 102
 104 107 108 110 111 112.

321-2. Geum**intermedium.**

- 3 Devon south?
 7 Wilts north. Preston ms.
 9 Dorset. Pleydell cat.
 12 Hants north. Spicer sp.
 19 Essex north.
 26 Suffolk west.
 28 Norfolk west.
 29 Cambridge.
 36 Hereford.
 38 Warwick. Kirk cat.
 50 Denbigh. Bowman ms.
 56 Notts.
 57 Derby.
 59 Lanc. south.
 62 York n. east. Baker sp.
 64 m. west. Lees cat.
 65 n. west. Ward sp.
 66 Durham. Storey sp.
 67 Northumb. Storey sp.
 68 Cheviotland. Tate cat.
 69 Westmoreland.
 70 Cumberland.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 81 Berwick.
 82 Haddington. Balfour cat.

- 83 Edinburgh! Syme sp.
 85 Fife. Syme cat.
 86 Stirling.
 87 Perth west. Syme sp.
 90 Forfar.
 00 Clyde-isles. Hennedy cat.
 11 Orkney. Gillies herb.
 N.B. A most puzzling plant;
 some examples more like
rivale, others more like
urbanum.

322 Geum**rivale.**

- 3 Devon south. Briggs cat.
 4 north?
 6 Som. north.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 11 Hants south!
 12 north. Pamplin ms.
 13 Sussex west. Borrer cat.
 19 Essex north.
 20 Herts.
 22 Berks.
 23 Oxford.
 26 Suffolk west.
 27 Norfolk east.
 28 west. Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 36 Hereford.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 42 Brecon.
 45 Pembroke. Babington cat.
 49 Carnarvon. Butler sp.
 50 Denbigh. Bowman cat.
 51 Flint.
 52 Anglesea.
 54 Lincoln north. Bogg cat.
 55 Leicester.

56 Notts.
 57 Derby! Howitt cat.
 58 Chester. Warren cat.
 59 Lanc. south. Goodlad hb.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Leyland sp.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey cat.
 68 Cheviot. Embleton sp.
 69 Westmoreland!
 70 Cumberland!
 72 Dumfries. Gray cat.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. Syme cat.
 86 Stirling.
 87 Perth west. Syme cat.
 88 mid! Worsley cat.
 89 east!
 90 Forfar!
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness! Stables cat.
 97 Westerness!
 98 Argyle. Mrs. Atkins sp.
 99 Dunbarton!
 00 Clyde-isles. Hennedy cat.
 02 Eb. south. Balfour cat.
 04 north. Lawson cat.
 06 Ross east. Gordon cat.
 Sutherland.
 09 Caithness. Brown cat.

11 Orkney. Syme cat.

324 *Sibbaldia* *procumbens*.

73 Dumfries?
 78 Peebles.
 86 Stirling. Hooker sp.
 88 Perth mid!
 89 east!
 90 Forfar! Brand sp.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff. Gordon ms.
 96 Easterness! Gordon sp.
 97 Westerness!
 98 Argyle.
 99 Dunbarton.
 05 Ross west.
 06 east. Gordon ms.
 08 Suth. west! Campbell sp.
 12 Shetland. "Ronas Hill."
 [3 Dartmoor].

325 *Potentilla* *fruticosa*.

65 York n. west. Baker sp.
 66 Durham. Bowman sp.
 69 Westmor. Backhouse ms.
 70 Cumberland.
 (23 63 77 83).

326 *Potentilla* *rupestris*.

47 Montgom. Bowman sp.
 [83 see page 6].

327 *Potentilla* *anserina*.

Counties all, except 46 97 and the usual nine.

328 *Potentilla* *argentea*.

2 Corn. east. Briggs sp.†
 5 Som. south. Collins ms.
 6 north. Collins ms.

- 7 Wilts north. Flower cat.
 8 south.
 11 Hants south!
 12 north.
 14 Sussex east. Borrer ms.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey! Ellis ms.
 18 Essex south. Varenne ms.
 19 north. Varenne sp.
 20 Herts. Coleman sp.
 21 Middlesex. Harris sp.
 22 Berks.
 23 Oxford.
 24 Bucks.
 25 Suff. east. Miss Bell sp.
 26 west. Cooper sp.
 27 Norf. east. Gibson ms.
 28 west. Miss Bell ms.
 29 Cambridge. Babington cat.
 30 Bedford. Brown sp.
 31 Hunts. Newbould cat.
 36 Hereford. Purchas cat.
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 40 Salop! Leighton cat.
 47 Montgom. Bowman ms.
 50 Denbigh. Bowman cat.
 51 Flint. Bowman sp.
 55 Leicester. Ch. Bab. sp.
 56 Notts.
 58 Chester. Warren ms.
 63 York s. west.
 64 m. west. Extinct?
 66 Durham.
 67 Northumberland.
 69 Westmoreland.
 70 Cumberland?
 81 Berwick.
 82 Haddington. Balfour sp.
 83 Edinburgh! Balfour cat.
 85 Fife.
 88 Perth mid.
 89 east!
 90 Forfar.
 95 Elgin. Gordon sp.

329 *Potentilla* *verna*.

- 6 Som. north? Thwaites cat.
 26 Suff. west?
 29 Cambridge. Coleman ms.
 34 Gloster west! French sp.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas ms.
 41 Glamorgan.
 49 Carnarvon. Bowman ms.
 57 Derby! Kirk sp.
 63 York s. west, Lees cat.
 64 m. west? Tatham sp.
 65 n. west. Ward sp.
 68 Cheviotland. Tate ms.
 70 Cumberland.
 81 Berwick.
 82 Haddington. Syme sp.
 83 Edinburgh! Brand sp.
 85 Fife. Syme sp. 1870.
 90 Forfar. Gardiner sp.
 [3 25 40 60 62; insufficiently vouched].

330 *Potentilla* *alpestris*.

- 46 Cardigan? Eng. flo.
 47 Montgomery. Lees ms.
 64 York m. west. Tatham sp.
 65 n. west.
 66 Durham. Bowman sp.
 68 Cheviotland.
 69 Westmoreld. Bowman sp.
 70 Cumberland!
 88 Perth mid! Sadler sp.
 90 Forfar! Brand sp.
 92 Aber. south! Dickie ms.
 N.B. Difficult to trace an exact line of distinction between this and *P. verna*. [42 67].

331 *Potentilla* *reptans*.

- Counties all, except 46 72 76
 84 86 87 88 93 95 to 100
 102 to 112. This common

plant of England becomes infrequent in Scotland, and appears to be quite absent to the north-west of the Caledonian Canal.

332 *Potentilla*

Tormentilla.

Counties all, except 46 51 60 73, with the usual nine; but doubtless actually to be found in every one of the 112 counties.

332 *Potentilla*

procumbens. *nemoralis*.

Cornwall.

3 Devon south.

Somerset. Southby ms.

9 Dorset. Pleydell cat.

10 Wight. More cat.

11 Hants south.

12 north.

13 Sussex west.

14 east.

15 Kent east. Smith cat.

16 west.

17 Surrey!

18 Essex south.

19 north. Varenne cat.

20 Herts.

21 Middlesex.

22 Berks!

23 Oxford. Beesley cat.

25 Suffolk east.

27 Norfolk east.

29 Cambridge.

30 Bedford.

95 Monmouth. Conway cat.

36 Hereford. Purchas cat.

37 Worcester. Bromwich sp.

38 Warwick.

40 Salop.

41 Glamorgan.

46 Cardigan. Purchas cat.

49 Carnarvon.

50 Denbigh.

52 Anglesea.

55 Leicester.

56 Notts.

58 Chester.

59 Lanc. south. Webb cat.

62 York n. east. Baker cat.

63 s. west.

64 m. west.

65 n. west.

66 Durham. New flo. N.D.

67 Northumb. New flo.

68 Cheviotland. New flo.

71 Man. Forbes cat.

73 Kirkeudbright. Lloyd ms.

76 Renfrew. Hennedy cat.

77 Lanark. Hennedy cat.

81 Berwick?

85 Fife?

91 Kincardine?

94 Banff?

00 Clyde-isles.

06 Ross east?

12 Shetland? Misnomer?

N.B. Small trust can be given to the distribution as here set forth. Too likely, this intermediate plant has been much confused with the *Tormentilla*, on the one side, and the *P. reptans*, on the other side. All my own notes of past years are rejected, as I would now certify the plant in Surrey and Berks only, although believing that it has been seen equally in several other counties.

333 *Potentilla*

Fragariastrum.

Counties all, except 35 46 51 53 60 80 97 101 to 105 107 to 112. Orkney?

334 Comarum palustre.

- | | |
|-------------------------------|-------------------------------|
| 1 Corn. west. Cunnack cat. | 64 York m. west. Tatham sp. |
| 2 east. Briggs, "v. r." | 65 n. west. Ward cat. |
| 3 Devon south. Abraham ms. | 66 Durham. Bowman sp. |
| 6 Som. north. Collins ms. | 67 Northumb. Storey cat. |
| 8 Wilts south. Flower cat. | 68 Cheviot. Embleton cat. |
| 9 Dorset. Pleydell cat. | 69 Westmoreland! |
| 10 Wight! More cat. | 70 Cumberland! Baker cat. |
| 11 Hants south. Notcutt cat. | 71 Man. Forbes cat. |
| 13 Sussex west. Borrer cat. | 72 Dumfries. Gray cat. |
| 17 Surrey! Ellis sp. | 73 Kirkeudbright. Gray cat. |
| 19 Essex north. | 74 Wigton. Balfour sp. |
| 20 Herts. | 75 Ayr. Duncan cat. |
| 22 Berks. | 76 Renfrew. Henedy cat. |
| 24 Bucks? | 77 Lanark. Hooker sp. |
| 25 Suff. east. Stock cat. | 80 Roxburgh. Duncan sp. |
| 26 west. Brown sp. | 81 Berwick. |
| 27 Norf. east. | 82 Haddington. Balfour cat. |
| 28 west. Notcutt cat. | 83 Edinburgh! Balfour cat. |
| 29 Cambridge. Babington cat. | 84 Linlithgow. Balfour cat. |
| 30 Bedford. | 85 Fife. Syme cat. |
| 31 Hunts. Newbould cat. | 87 Perth west. Syme cat. |
| 36 Hereford. Purchas ms. | 88 mid! Worsley cat. |
| 37 Worcester. | 89 east! |
| 38 Warwick. Kirk cat. | 90 Forfar! |
| 39 Stafford! Douglas cat. | 91 Kincardine. Syme cat. |
| 40 Salop. Leighton cat. | 92 Aber. south! Dickie cat. |
| 41 Glamorgan. Moggridge sp. | 93 north. Dickie flo. |
| 43 Radnor. | 94 Banff. |
| 44 Carmarthen. Motley cat. | 95 Elgin. Gordon cat. |
| 45 Pembroke. Gutch sp. | 96 Easterness! Stables cat. |
| 46 Cardigan. Gibson ms. | 98 Argyle. |
| 48 Merioneth. | 99 Dunbarton. Ch. Bab. ms. |
| 49 Carnarvon. Gibson ms. | 00 Clyde-isles. Henedy cat. |
| 50 Denbigh. Bowman cat. | 01 Cantire. Balfour cat. |
| 52 Anglesea. | 02 Eb. south. Balfour cat. |
| 54 Linc. north. Howitt ms. | 04 north. Ch. Bab. ms. |
| 55 Leicester. Coleman ms. | 06 Ross east. Gordon cat. |
| 56 Notts. | 08 Suth. west! |
| 57 Derby. Howitt cat. | 09 Caithness. Brown cat. |
| 58 Chester! Warren cat. | 10 Hebrides. |
| 59 Lanc. south. Webb cat. | 11 Orkney. "Miss Boswell." |
| 61 York s. east. | 12 Shetland. Tate sp. |
| 62 n. east. Baker cat. | N.B. Treated as a "not com- |
| 63 s. west. Lees cat. | mon" plant on account of |
| | its infrequency in the south- |
| | ern counties. |

335 *Fragaria vesca*.

Counties all, except 41 51 53
60 86 98 107 110.

337 *Rubus Chamæmorus*.

47 Montgomery.
48 Merioneth. Bowman ms.
49 Carnarvon. D. Turner ms.
57 Derby.
58 Chester. Church. Bab. ms.
63 York s. west.
64 m. west. Tatham sp.
65 n. west. Ward ms.
66 Durham. Baker sp.
67 Northumb. Bigge sp.
68 Cheviotland. Tate ms.
69 Westmoreland!
70 Cumberland.
77 Lanark.
78 Peebles. Balfour ms.
80 Roxburgh. Duncan ms.
83 Edinburgh. Balfour cat.
86 Stirling. Hooker sp.
87 Perth west. Syme cat.
88 mid!
89 east.
90 Forfar!
91 Kincardine.
92 Aber. south! Dickie ms.
93 north.
94 Banff. Gordon ms.
96 Easternness! Gordon sp.
97 Westernness!
05 Ross west. Ch. Bab. ms.
06 east. Gordon ms.
08 Sutherland west!

338 *Rubus saxatilis*.

2 Corn. east.
3 Devon south. Briggs sp.
33 Gloster east. Lees sp.
39 Stafford.
40 Salop?

41 Glamorgan.
49 Carnarvon.
50 Denbigh. Bowman cat.
57 Derby! Howitt cat.
59 Lanc. south. Goodlad hb.
62 York n. east. Baker cat.
63 s. west. Leyland sp.
64 m. west. Tatham cat.
65 n. west. Ward sp.
66 Durham. Storey sp.
67 Northumb. Storey sp.
68 Cheviotland. Tate ms.
69 Westmoreland!
70 Cumberland!
71 Man. Forbes cat. "v. r."
72 Dumfries.
73 Kirkeudbright. Gray cat.
75 Ayr. Duncan cat.
76 Renfrew. Hennedy cat.
77 Lanark. Hennedy cat.
81 Berwick.
83 Edinburgh. Balfour cat.
87 Perth west. Syme sp.
88 mid!
89 east!
90 Forfar!
91 Kincardine. Syme cat.
92 Aber. south! Dickie sp.
93 north. Dickie flo.
94 Banff. Gordon ms.
95 Elgin. Gordon cat.
96 Easternness! Stables sp.
97 Westernness!
98 Argyle.
99 Dunbarton! Hooker sp.
00 Clyde-isles. Hennedy cat.
01 Cantire. Balfour cat.
02 Eb. south. Balfour sp.
04 north. Lawson cat.
06 Ross east. Gordon cat.
08 Suth. west!
09 Caithness. Brown cat.
10 Hebrides.
11 Orkney. Gillies herb.
12 Shetland. Tate cat.

339 Rubus**Idæus.**

Counties all, except 1 11 16
 31 41 45 49 51 60 86
 110 112; likely to be found
 in most of these also, more
 or less wild. No doubt that
 many of its localities origi-
 nate by seeds carried from
 gardens; but the shrub it-
 self is native probably
 throughout Britain, unless
 the extreme north, especially
 the North Isles, ought to be
 excepted.

340 Rubi**fruticosi.**

See Comp. Cyb. Brit. pages
 501—5 and Supplement to
 same, page 38; but espe-
 cially Bab. Brit. Rubi, for
 the counties.

341 Rosa**spinosissima.**

1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south.
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 13 Sussex west. Borrer cat.
 14 east. Hall cat.
 16 Kent east.
 17 Surrey! Castle sp.
 18 Essex south.
 19 north.
 21 Middlesex! Twining sp.
 22 Berks.
 25 Suffolk east.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington flo.†
 32 Northton. Notcutt cat.

36 Hereford.
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford!
 40 Salop.
 41 Glamorgan. Gutch sp.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Atwood sp.
 48 Merioneth. Gibson ms.
 49 Carnarvon!
 50 Denbigh. Bowman cat.
 51 Flint. Rev. J. Poole ms.
 52 Anglesea!
 55 Leicester. Bloxam sp.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south! Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham sp.
 65 n. west. Baker sp.
 66 Durham. Bowman sp.
 67 Northumb. Storey cat.
 68 Cheviot. Embleton cat.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 71 Man. Forbes cat. "v. c."
 72 Dumfries.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. Syme cat.
 87 Perth west. Syme cat.
 90 Forfar.
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie ms.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness. Stables cat.
 00 Clyde-isles. Heneddy cat.

- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour cat.
- 03 mid. Ch. Bab. ms.
- 04 north. Lawson cat.
- 05 Ross west. Ch. Bab. ms.
- 06 east. Gordon cat.
- 07 Suth. east !
- 08 west ! Ch. Bab. ms.
- 09 Caithness !
- [111 Orkney. Lowe's list].

342 Rosa

hibernica.

- 17 Surrey ? One bush.
- 58 Chester. Webb sp.
- 62 York n. east. Baker sp.
- 66 Durham. Baker mon.
- 68 Cheviotland. Oliver sp.
- 70 Cumberland. Borrer sp.
- 08 Suth. west. Baker mon.

343 Rosa

Sabini, etc.

- 3 Devon south. E. Parfitt ms.
- 4 north. Maw cat.
- 10 Wight. Baker Monograph.
- Sussex. Borrer. Monog.
- 17 Surrey. Brit. Flo.
- 21 Middlesex. Twining sp.
- 32 Northton. Notcutt sp.
- 33 Gloster east. Notcutt sp.
- 36 Hereford. Purchas flo.
- 37 Worcester. Lees sp.
- 38 Warwick. Kirk. Bree.
- 46 Cardigan. Atwood sp.
- 49 Carnarvon. Hooker sp.
- 51 Flint. Fisher sp.
- 52 Anglesea. Lees in Phytol.
- 55 Leicester. Bloxam sp.
- 58 Chester. Webb.
- 62 York n. east. Baker sp.
- 64 m. west. Tatham cat.
- 65 n. west. Ward cat.
- 66 Durham. Norman cat.
- 67 Northumb. Leefe sp.
- 69 Westmoreland. Oliver ms.

- 70 Cumberland. Oliver sp.
- 77 Lanark. Hennedy cat.†
- 81 Berwick. Border flo.
- 82 Haddington. Balf. flo.
- 83 Edinburgh. Balf. flo.
- 88 Perth mid. Worsley cat.
- 90 Forfar. Monog.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 95 Elgin. "Rev. J. Keith."
- 97 Westerness. "Dr. Walker."
- 00 Clyde-isles. Hennedy cat.
- 02 Eb. south. "Dr. Walker."
- 09 Caithness. Monog.
- 11 Orkney.

344 Rosa

mollissima.

- 48 Merioneth. "Borrer."
- 49 Carnarvon. "Wilson."
- 55 Leicester. Bloxam sp.
- 57 Derby. "Purchas."
- 62 York n. east. Baker cat.
- 63 s. west. Hailstone sp.
- 64 m. west. Tatham cat.
- 65 n. west.
- 66 Durham. "Robertson."
- 67 Northumb. New flo.
- 68 Cheviotland. New flo.
- 70 Cumberland. Baker cat.
- 85 Fife. Syme cat.
- 87 Perth west. Syme cat.
- 91 Kincardine. Syme cat.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 94 Banff. Dickie Guide.
- 98 Argyle. "Hailstone."
- 09 Caithness. "Dick."
- 11 Orkney. Syme sp.
- N.B. Under the names of *villosa*, *mollis* or *mollissima* this Rosa is reported from 60 or 70 counties ; but it has been so frequently confused with *tomentosa* on the one side, and even with *Sabini* or

"*gracilis*" on the other side, through so called *scabriuscula*,—that no reliance can be given to book records in general. I have certainly seen it in several counties of North England and Scotland; although I dare not now trust to my old notes, and my specimens of roses were destroyed by accidental fire, while in the house of Mr. Baker. The counties named above must be taken as a very incomplete selection. Mr. Baker names Merioneth as the most southern county from which specimens have been seen by himself. Book records, probably erroneous, would place it as far southward as Cornwall, Isle of Wight, and Surrey.

345 Rosa

tomentosa.

Counties all, except 4 8 12 15
24 31 32 43 46 51 53 54
60 72 to 74 78 79 80 86
88 89 95 96 97 102 103
105 106 107 109. In some of these counties it has very likely been seen and mistaken for '*mollissima*'; in others, the converse may have occurred, through misnomers of the latter as if the present species. Mr. Baker has seen it from Cornwall and Caithness; and it is enumerated in the lists for Hebrides, Orkney, Shetland.

346 Rosa

"*sepium*, Thuil."

17 Surrey. Baker sp.

N.B. Rosa Jundzilliana, placed under no. 346 in the London Catalogue, has been subsequently united with '*tomentosa*,' by Mr. Baker. This seems near *R. micrantha*.

347 Rosa

pulverulenta.

6 Som. north. "Woods."
38 Warwick. "W. T. Bree."
63 York s. west. "S. King."
65 n. west. "Ward."
66 Durham. "Robertson."
68 Cheviotland. Baker.

N.B. The counties and authorities are taken from Baker's Monograph. I do not understand the species.

348 Rosa

Borreri, etc.

N.B. Now referred to *canina* in Baker's Monograph. See Comp. Cyb. Brit. page 507.

349 Rosa

micrantha.

1 Corn. west,
2 east. Briggs sp.
3 Devon south. Briggs sp.
5 Som. south. Coleman cat.
6 north. Stephens sp.
9 Dorset. Pleydell cat.
10 Wight. More cat.
12 Hants north. Baker ms.
13 Sussex west! Borrer cat.
14 east. Coleman sp.
15 Kent east. Smith cat.
17 Surrey! Baker mon.
18 Essex south.
19 north. Varenne cat.
20 Herts. Coleman cat.
21 Middlesex. Castles ms.
22 Berks.

- 23 Oxford. "Borrer."
- 24 Bucks.
- 26 Suffolk west. Coleman ms.
- 32 Northton. Berkeley ms.
- 33 Gloster east.
- 34 west. Thwaites sp.
- 36 Hereford.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Purchas ms.
- 46 Cardigan. Atwood ms.
- 49 Carnarvon.
- 52 Anglesea. "Wilson."
- 55 Leicester. Bloxam sp.
- 56 Notts.
- 58 Chester. "Webb" in Mon.
- 62 York n. east. Baker sp.
- 63 s. west. Lees cat.
- 64 m. west. Tatham cat.
- 65 n. west. Bot. n. y.
- 66 Durham. "A. M. Norman."
- 68 Cheviotland. "Chrisp."

350 Rosa

rubiginosa.

- 1 Corn. west. Cunnack cat.
- 2 east.
- 3 Devon south. Briggs cat.
- 6 Som. north. Thwaites cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. Baker "wild."
- 11 Hants south. Notcutt cat.
- 12 north. Baker ms.
- 13 Sussex west. Borrer cat.†
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 17 Surrey. Linnell sp.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Purchas cat.†

- 26 Suffolk west.
- 27 Norfolk east.
- 28 west. Notcutt cat.
- 29 Cambridge.
- 30 Bedford.
- 32 Northton.
- 33 Gloster east. Prentice cat.
- 34 west.
- 35 Monmouth. Conway cat.
- 36 Hereford.
- 37 Worcester.
- 38 Warwick. Bree cat.
- 39 Stafford.
- 40 Salop. Leighton cat. co.
- 50 Denbigh? Faun. Grust.
- 52 Anglesea.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby.
- 58 Chester. Fisher ms.
- 62 York n. east. Baker cat.
- 63 s. west. Lees cat.†
- 64 m. west. Lees cat.†
- 65 n. west.

- 66 Durham. New flo.†
 - 67 Northumb. New flo.†
 - 68 Cheviotland. New flo.†
 - 69 Westmoreland.
 - 70 Cumberland. Baker cat.†
- (72 73 76 77 81 to 85
86 89 90 92 94 95 96 99
100 101). [4 North Devon].
- N.B. The counties of England are given above as found on record for the "Sweet-brier." Those of Scotland are all enclosed () with the sign of distrusted nativity; so few botanists there regarding it as a native shrub. The Flora of Edinburgh and even that of Clydesdale are exceptions, admitting it unquestioned. I have never seen it quite satisfactorily indigenous in England, of

late years; and at earlier dates I confused together this and *micrantha*; indeed, I can hardly say now that *rubiginosa* is not truly a garden variety of *micrantha*.

351 Rosa

canina, etc.

Counties all, except 97 102 104 109 110, with the other nine as usual. Not certain for Shetland.

352 Rosa

systyla.

- 3 Devon south. Baker mon.
 - 5 Som. south. Coleman cat.
 - 6 north. Thwaites cat.
 - 7 Wilts north.
 - 8 south.
 - 9 Dorset. Pleydell sp.
 - 10 Wight. Baker mon.
 - 13 Sussex west. Borrer cat.
 - 14 east. Coleman sp.
 - 15 Kent east. Smith cat.
 - 17 Surrey! Coleman sp.
 - 18 Essex south.
 - 19 north. Gibson sp.
 - 20 Herts. Coleman cat.
 - 21 Middlesex. Syme sp.
 - 22 Berks.
 - 27 Norfolk east.
 - 28 west.
 - 33 Gloster east. Prentice cat.
 - 34 west. Thwaites cat.
 - 35 Monmouth. Conway cat.
 - 36 Hereford.
 - 37 Worcester.
 - 38 Warwick. "gallicoides."
 - 41 Glamorgan.
 - 44 Carmarthen.
 - 59 Lanc. south. Webb cat.
 - 68 Cheviotland. New flo.
 - 70 Cumber. "Th. Benson."
- [1 4 29 50 62 77 84 86

90 96 97 99; insufficiently vouched]. An incongruous cluster of forms, more or less intermediate between *canina* and *arvensis*; both of which, I fully believe, are taxed to aid in making up the cluster named *systyla* or *stylola*. At first, I had here simply interposed one Dog-rose between the *spinosissima* and *arvensis*, in sheer despair about the possibility of enumerating the counties under the several species with any approach to accuracy. And I am now far from satisfied with what is done above.

353 Rosa

arvensis.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs sp.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north!
- 13 Sussex west! Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east! Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne sp.
- 20 Herts. Coleman cat.
- 21 Middlesex. Hind cat.
- 22 Berks!
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.

- 26 Suffolk west.
 27 Norf. east. Cooper sp.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton. Notcutt sp.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford.
 37 Worcester. Bagnall ms.
 38 Warwick. Bromwich sp.
 39 Stafford. Bagnall ms.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Atwood ms.
 49 Carnarvon!
 50 Denbigh! Bowman cat.
 51 Flint!
 52 Anglesea.
 54 Lincoln north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south! Webb cat.
 62 York n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham.
 67 Northumberland.
 68 Cheviotland.
 69 Westmoreland. Pinder ms.
 70 Cumberland. Edmonds sp.
 (Scotland 76 77 80 82 83
 85 90 91; treated by Pro-
 fessor Henedy as an intro-
 duced rose in the western
 lowland counties; and the
 same by Dr. Boswell Syme,
 in the eastern highland
 counties. The Flora of

Edinburgh gives it unques-
 tioned as a native).

354 Agrimonia Eupatoria.

Counties all, except 46 49 84
 86 88 89 97 98 101 103 to
 107 110 111 112.

354. Agrimonia odorata.

- 1 Corn. west! Cunnack cat.
 2 east. Briggs ms.
 3 Devon south. Briggs cat.
 7 Wilts north. Preston ms.
 9 Dorset. Pleydell ms.
 10 Wight. More cat.
 12 Hants north. Mathews.
 13 Sussex west. Baker cat.
 14 east. Borrer ms.
 16 Kent west. More sp.
 17 Surrey!
 18 Essex south.
 34 Gloster west. Purchas ms.
 36 Hereford.
 38 Warwick. Kirk cat.
 41 Glamorgan. Purchas sp.
 45 Pembroke. Purchas ms.
 48 Merioneth.
 49 Carnarvon.
 50 Denbigh. Stratton ms.
 55 Leicester. Purchas sp.
 62 York n. east. Baker sp.
 67 Northumberland?
 68 Cheviotland.
 70 Cumber. "W. Robinson" sp.
 88 Perth mid. Worsley sp.†
 00 Clyde-isles. Syme sp. 1872.
 N.B. Miss Worsley observed
 this plant in a cottage gar-
 den near St. Fillans, not
 far from the only spot in
 which she found the plant
 quasi-wild. Is it truly wild
 in Arran?

355 Sanguisorba officinalis.

- 1 Corn. west! Cunnack cat.
- 2 east. Goulding sp.
- 3 Devon south. Briggs cat.
- 4 north!
- 6 Som. north. Parfitt ms.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 20 Herts.
- 21 Middlesex.
- 22 Berks.
- 23 Oxford. Beesley cat.
- 24 Bucks.
- 26 Suffolk west?
- 28 Norfolk west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton. Notcutt cat.
- 33 Gloster east.
- 35 Monmouth. Conway cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop.
- 41 Glamorgan.
- 42 Brecon.
- 43 Radnor. Gibson ms.
- 44 Carmarthen. Motley cat.
- 46 Cardigan.
- 47 Montgom. Bowman ms.
- 51 Flint.
- 53 Lincoln south!
- 54 north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby! Howitt cat.
- 58 Chester! Warren cat.
- 59 Lanc. south. Webb cat.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Tatham cat.

- 65 York n. west. Ward cat.
- 66 Durham. Bowman sp.
- 67 Northumb. Storey cat.
- 68 Cheviotland.
- 69 Westmoreland!
- 70 Cumberland!
- 72 Dumfries. Brand sp.
- 73 Kirkeudbright. Balfour sp.
- 75 Ayr. Duncan cat.
- 80 Roxburgh. Johnston ms.
- 81 Berwick.
- 90 *Forfar*. "naturalised."

355 Poterium Sanguisorba.

- 1 Corn. west. Cunnack cat.
- 2 east. Keys sp.
- 3 Devon south! Briggs cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west! Borrer cat.
- 14 east! Hall cat.
- 15 Kent east! Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south.
- 19 north.
- 20 Herts. Coleman cat.
- 21 Middlesex!
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west. Babington ms.
- 27 Norfolk east.
- 28 west. Bell sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton!

- 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton ms.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon!
 50 Denbigh. Bowman cat.
 52 Anglesea!
 53 Linc. south! Bloxam ms.
 54 north! Bogg cat.
 55 Leicester. Ch. Bab. ms.
 56 Notts.
 57 Derby! Bloxam ms.
 58 Chester?
 59 Lanc. south?
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumberland.
 67 Cheviot. Embleton sp.
 69 Westmoreland!
 80 Roxburgh. Duncan cat.
 81 Berwick. H. M. Balf. sp.
 89 Perth east! Syme sp.
 90 Forfar.
 95 Elgin? "Mr. Martin."
 (82 85). [72 77]. Some
 of these recorded habitats
 perhaps belong to the alien
P. muricatum, introduced
 through foreign seeds or
 ballast, and not easily dis-
 tinguished while without
 fruit.
- 356 Alchemilla**
vulgaris.
- 1 Corn. west. Cunnaek cat.
- 2 Corn. east.
 3 Devon south. Briggs cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites ms.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 14 Sussex east. Borrer ms.
 17 Surrey.
 19 Essex north.
 20 Herts. Isaac Brown sp.
 21 Middlesex. Kingsley sp.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 28 Norfolk west?
 29 Cambridge. Babington cat.
 30 Bedford. Warner sp.
 32 Northton.
 33 Gloster east. Prentice cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 49 Carnarvon!
 50 Denbigh! Bowman cat.
 52 Anglesea.
 54 Linc. north. Thompson ms.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south! Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Leyland sp.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey cat.
 68 Cheviot. Embleton cat.
 69 Westmoreland!
 70 Cumberland! Baker cat.

- 72 Dumfries. Gray cat.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 78 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. Boswell Syme cat.
 86 Stirling!
 87 Perth west! Syme cat.
 88 mid! Worsley cat.
 89 east!
 90 Forfar!
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness! Stables cat.
 97 Westernness!
 98 Argyle.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 04 north. Lawson cat.
 06 Ross east. Gordon cat.
 07 Sutherland east!
 09 Caithness! Brown cat.
 11 Orkney. Gillies herb.
 12 Shetland. Tate sp.
 (10 "one planted root.")

357 *Alchemilla alpina*.

- 65 York n. west. Tatham sp.
 69 Westmoreland!
 70 Cumberland!
 86 Stirling. Hooker sp.
 87 Perth west!
 88 mid! Worsley cat.
 89 east!
 90 Forfar! Brand sp.

- 91 Kincardine. Syme cat.†
 92 Aber. south! Dickie sp.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness! Gordon ms.
 97 Westernness!
 98 Argyle! Montgomery ms.
 99 Dunbarton.
 00 Clyde-isles.
 03 Eb. mid. Ch. Bab. ms.
 04 north. Lawson cat.
 05 Ross west. Campbell sp.
 06 east. Gordon cat.
 08 Suth. west! Johnston ms.
 09 Caithness. Brown cat.
 10 Hebrides.
 12 Shetland. Tate sp.
 [Dartmoor, Devon; Ravenshaw flo. dev].

358 *Alchemilla arvensis*.

- Counties all, except 46 51 60
 86 89 97 98 108 110.

360 *Cratægus Oxyacantha*.

- Counties all, except 46 107
 111; often in planted hedge-rows only; and few botanists regard it as being more wild in North Britain than a casual straggler, probably brought from the hedgerows by birds. Different as the *oxyacanthoides* and *monogyna* or *eriocarpa* appear in their extreme forms, I find many intermediates in Surrey, through cross-combinations of their technical characters.

361 *Cotoneaster vulgaris*.

- 49 Carnarvon. Bowman sp.

362 Pyrus**communis.**

N.B. Almost invariably the botanists who have sent specimens of this tree, or marked the name in their local lists, have done so with indications of distrust as to its genuine indigeneness. In the Flora of Edinburgh, indeed, it is given as a true native; but perhaps the proper reading of that entry is, that the Flora itself cannot be safely relied upon to answer questions about nativity.

363 Pyrus**Malus.**

Counties all, except 35 46 49 82 85 to 99 102 to 112. (1 54 60 69 72 81 88 90 94 95). 100 Hennedy cat. 101 Balfour cat. Including the casual (*mitis*) derived from garden apples along with the true Crab (*austera*) less seldom met with; the localities of the two being inextricably confused together by their recorders.

364 Pyrus**torminalis.**

- 1 Corn. west.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north.
- 5 Som. south.
- 6 north.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south. Bromf. ms.

- 13 Sussex west. Borrer cat.
- 16 Kent west.
- 17 Surrey. Coleman sp.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Barham sp.
- 22 Berks.
- 23 Oxford.
- 24 Bucks.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east. Stock cat.
- 28 west?
- 29 Cambridge?
- 32 Northton. Notcutt cat.
- 33 Gloster east?
- 34 west. Thwaites cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Bagnall ms.
- 39 Stafford.
- 40 Salop. Leighton cat. co.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 50 Denbigh?
- 52 Anglesea.
- 55 Leicester.
- 56 Notts.
- 58 Chester. "truly wild."
- 59 Lanc. south. Webb cat.†
- 68 Cheviotland. Tate ms.
- 69 Westmoreland?

N.B. Surrey and West Kent are the only counties in which this tree has been seen by myself as an apparent native; and there it may be truly so. Perhaps the *P. scandica* or *Mougeotii* may sometimes be misnamed *torminalis*.

365 Pyrus Aria.**rupicola.**

- Devon. Eng. Bot. ed. 3.
 5 Som. south. Coleman cat.
 6 north! Atwood sp.
 7 Wilts north? Eng. Bot. 3.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south!
 12 north!
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 16 west. Mrs. Atkins sp.
 17 Surrey! Syme sp.
 20 Herts.
 21 Middlesex. Native?
 22 Berks. Syme sp.
 23 Oxford.
 24 Bucks. Britten cat.
 30 Bedford?
 32 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Hort sp.
 36 Hereford. Purchas cat.
 39 Stafford.
 40 Salop.
 41 Glamorgan.
 47 Montgomery. Bowman ms.
 49 Carnarvon. Winch ms.
 50 Denbigh. Bowman ms.
 54 Lincoln north. Bogg cat.
 57 Derby! Whittaker sp.
 63 York s. west.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Bowman sp.
 68 Cheviotland. Eng. Bot. 3.
 69 Westmoreland!
 83 Edinburgh. Eng. Bot. 3.
 92 Aber. south. Baker sp.
 08 Suth. west. Stables sp.
 (19 25 26 27 58 59 62 67
 70 75 77 81 85 90 94 95
 98 103 104; introduced or
 less certainly indigenous).
 The next species or segre-

gates, especially the "Mougeotii?" of Devon, has been usually recorded under the name of "Aria."

365 *Pyrus scandica*. *Mougeotii*?

- 3 Devon south. Briggs sp.
 4 north!
 5 Som. south. Gifford sp.
 6 north! Flower sp.
 10 Wight? Eng. Bot. ed. 3.
 50 Denbigh. Eng. Bot. ed. 3.
 83 Edinburgh. Balfour sp.†
 85 Kinross. Syme sp. 1870.
 00 Arran. Syme sp. Duthie.
 N.B. Examples of ordinary
Aria have been labelled and
 distributed for *scandica*; and
 there is otherwise much con-
 fusion between this and the
 preceding species, as well as
 between this and the next
 following one.

365 *Pyrus fennica* *pinnatifida*.

- 12 Hants north. Borrer sp.
 13 Sussex west. Atkins sp.
 16 Kent west. J. Macnab sp.
 34 Gloster west. Sandys sp.
 55 Leicester. Bloxam sp.
 64 York m. west. Lees cat.*
 90 Forfar. Watson sp.*
 99 Dunbarton. Hooker sp.
 00 Arran. Syme sp. Duthie.
 N.B. Two forms or segregates
 are included under Smith's
pinnatifida. Both are sus-
 pected to be hybrids; the
 one, between *Aucuparia* and
scandica, which is found very
 sparingly in Arran; the
 other, between *Aucuparia*
 and *Aria*, observed in North
 Hants by Mr. Borrer, among

abundance of the two supposed parents. Both segregates occur in plantations.

366 Pyrus

Aucuparia.

Counties all, except 15 31 32 51 54 60 84 86 98 109 with the usual nine. (Besides those counties, it is indicated as only a doubted native in 1 7 8 18 19 23 to 28 or 29, and less doubtfully so in 46 59 72 85). In my own notes I find it entered without marks of doubt for counties 6 12 16 17 22 39 49 50 59 69 70 83 87 88 89 90 92 96 97 106 107 108.

367 Epilobium

angustifolium.

3 Devon south. Briggs cat.†
4 north?
5 Som. south. Coleman cat.
6 north.
7 Wilts north. Preston ms.
8 south.
9 Dorset. Pleydell cat.
10 Wight!
11 Hants south!
12 north!
13 Sussex west! Bromf. sp.
14 east. Coleman cat.
15 Kent east. Smith cat.
16 west.
17 Surrey! Wood ms.
18 Essex south. Varenne ms.†
19 north. Varenne ms.
20 Herts. Coleman cat.
21 Middlesex. Introduced?
22 Berks! Britten cat.
23 Oxford.
24 Bucks. Britten cat.
27 Norfolk east. Stock sp.

28 Norfolk west.
30 Bedford. "rare."
33 Gloster east. Dyer sp.
34 west. Thwaites cat.
35 Monmouth. Ch. Bab. sp.
36 Hereford.
37 Worcester. Bagnall ms.
38 Warwick. Kirk cat.†
39 Stafford!
40 Salop.
41 Glamorgan. Moggridge sp.
48 Merioneth.
49 Carnarvon.
50 Denbigh. Bowman cat.
52 Anglesea.
Lincoln. Britten Ire.
55 Leicester. Bloxam cat.
57 Derby. Howitt cat.
58 Chester. Warren cat.
59 Lanc. south.
62 York n. east. Baker cat.
63 s. west. Lees cat.
64 m. west. Tatham cat.
65 n. west. Ward sp.
66 Durham. Bowman sp.
67 Northumb. Thompson sp.
68 Cheviot. Embleton sp.
69 Westmoreland!
70 Cumberland!
71 Man. Forbes cat.
72 Dumfries. Winch sp.
73 Kirkeudbright. Gray cat.
75 Ayr. Duncan cat.
77 Lanark. Hennedy cat.†
80 Roxburgh. Duncan cat.
81 Berwick.
83 Edinburgh. Balfour cat.
84 Linlithgow.
85 Fife. Syme cat.†
86 Stirling.
87 Perth west! Syme cat.
88 mid.
89 east!
90 Forfar! Graham sp.
91 Kincardine.
92 Aber. south! Dickie cat.

- 93 Aber. north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon sp.
 96 Easternness!
 97 Westernness! Ch. Bab. ms.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 04 north. Lawson cat.
 08 Suth. west.
 09 Caithness. Brown cat.
 11 Orkney. Syme sp.
 12 Shetland. Tate cat.

N.B. Reckoned up by the number of its counties, this might appear to rank among common plants; but being quite a local plant in several counties, and perhaps too uncertainly native in others named above, its counties have been cited in detail.

368 *Epilobium* *hirsutum*.

Counties all, except 46 49 53
 71 86 88 92 (93) 94 95
 (96) 97 to 108 (109) 110
 [111] 112. Less numerous
 than the preceding, as to its
 counties, but too abundant
 in England to be placed
 among the non-common
 plants.

369 *Epilobium* *parviflorum*.

Counties all, except 49 61 72
 73 84 86 88 89 97 98 106
 to 109 111 112.

370 *Epilobium* *montanum*.

Counties all, except 46 and
 the usual nine; in all of
 which doubtless it may be
 found.

371 *Epilobium* *lanceolatum*.

- 2 Cornwall east. Briggs sp.
 3 Devon south. Briggs sp.
 12 Hants north. Baker sp.
 13 *Sussex west*. Borrer.†
 17 Surrey! Clearly indigenous.
 34 Gloster west. Thwaites sp.
 35 Monmouth.

371 *Epilobium* *roseum*.

- 1 Corn. west. Briggs, 1871.
 3 Devon south. Briggs cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 11 Hants south! More ms.
 12 north!
 13 Sussex west! Borrer cat.
 14 east. Coleman sp.
 16 Kent west. Syme sp.
 17 Surrey! Ellis sp.
 18 Essex south.
 19 north. Bentall sp.
 20 Herts. Isaac Brown sp.
 21 Middlesex. Varenne ms.
 25 Suffolk east.
 33 Gloster east. Prentice cat.
 34 west. Thwaites sp.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Bromwich sp.
 39 Stafford!
 41 Glamorgan.
 55 Leicester. Coleman ms.
 56 Notts. Howitt sp.
 57 Derby. Bloxam sp.
 58 Chester. Warren cat.
 59 Lanc. south. Windsor sp.
 60 west!
 62 York n. east. Baker sp.
 63 s. west.
 64 m. west. Lees cat.
 65 n. west. Bowman sp.
 (8 10 66). [82 85 90 95;
 insufficiently vouched].

372 *Epilobium* *palustre*.

Counties all, except 31 32 34
41 46 54 72 86 98.

373 *Epilobium* *tetragonum*.

Counties all, except 49 51 54
70 80 84 86 97 98 106
to 108 112. The aggregate,
that is, including both the
subjoined segregates.

373 *Epilobium* *eu-tetragonum*.

2 Corn. east. Briggs cat.
3 Devon south. Briggs sp.
10 Wight!
13 Sussex west. Baker cat.
15 Kent east!
16 west.
17 Surrey!
19 Essex north. Varenne ms.
21 Middlesex.
29 Cambridge.
34 Gloster west. Flower sp.
36 Hereford.
38 Warwick. Kirk sp.
55 Leicester?
83 Edinburgh?
89 Mid Perth?
N.B. Less frequent, and per-
haps much less widely dis-
tributed than is the *Ep.*
obscurum. The absolute
distinctness of the two
seems questionable, because
intermediate forms occur,
which are not confidently
assignable to one of the se-
gregates only.

373 *Epilobium* *obscurum*.

1 Corn. west.
2 east. Briggs cat.

3 Devon south. Briggs cat.
4 north.
6 Som. north. Clark sp.
7 Wilts north. Preston ms.
10 Wight. More sp.
11 Hants south!
12 north! Baker cat.
13 Sussex west. Baker cat.
14 east.
15 Kent east.
17 Surrey!
18 Essex south.
19 north. Varenne ms.
21 Middlesex.
22 Berks!
24 Bucks. Britten cat.
29 Cambridge.
35 Monmouth.
36 Hereford.
38 Warwick. Kirk sp.
49 Carnarvon.
55 Leicester.
58 Chester. Warren cat.
59 Lanc. south. Webb cat.
60 west!
62 York n. east. Baker sp.
64 m. west. Lees cat.
65 n. west.
66 Durham.
67 Northumberland.
68 Cheviotland.
69 Westmoreland!
70 Cumberland. Baker cat.
83 Edinburgh.
85 Fife. Syme cat.
86 Stirling.
87 Perth west.
90 Forfar.
91 Kincardine.
92 Aberdeen south!
00 Clyde-isles. Syme sp.
111 or 112 *fide* Britten.
No doubt also in many other
counties. I think to have
seen it in Sutherland.

374 Epilobium**alpinum.**

- 66 Durham. Trevelyan sp.
- 68 Cheviotland. Tate sp.
- 70 Cumber. Addison sp. 1867.
- 85 Fife ?
- 86 Stirling.
- 87 Perth west.
- 88 mid ! Worsley cat.
- 89 east ! Brand ms.
- 90 Forfar ! Brand sp.
- 91 Kincardine.
- 92 Aber. south ! Dickie cat.
- 94 Banff. Gordon ms.
- 96 Easterness !
- 97 Westerness !
- 98 Argyle.
- 99 Dunbarton.
- 04 Eb. north. Lawson sp.
- 05 Ross west.
- 06 east.
- 08 Suth. west ! Graham sp.

N.B. I do not know how to distinguish the "*anagallidifolium*" from the plant which stands in my notes as *alpinum*. It may be on this account that I scarcely know where to draw the line between this present and the next species.
[49 56 64 ; errors].

374 Epilobium**alsinifolium.**

- 44 Carmarthen ?
- 49 Carnarvon ! Bowman ms.
- 65 York n. west. Baker sp.
- 66 Durham.
- 68 Cheviot. W. H. Brown sp.
- 69 Westmoreland !
- 70 Cumberland ! Oliver sp.
- 72 Dumfries.
- 85 Fife.
- 87 Perth west. Syme sp.
- 88 mid ! Hooker sp.

- 89 Perth east !
- 90 Forfar ! Balfour sp.
- 92 Aber. south !
- 94 Banff. Gordon ms.
- 96 Easterness !
- 97 Westerness.
- 98 Argyle. Church Bab. sp.
- 04 Eb. north.
- 08 Suth. west ! Graham sp.
- 12 Shetland.

N.B. Approximates to *alpinum* on one side, towards the mountain states of *obscurum* on the other side ; thus introducing some degree of uncertainty into the reports of its localities.

376 Isnardia**palustris.**

- 11 Hants south.
- 14 Sussex east. Hooker sp.
[70 Cumberland].

377 Circæa**lutetiana.**

- 1 Corn. west ! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north ! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north ! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight ! More cat.
- 11 Hants south ! Notcutt cat.
- 12 north.
- 13 Sussex west ! Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west !
- 17 Surrey !
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.

- 21 Middlesex. Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west. Babington ms.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford. S. Foster sp.
 31 Hunts. Newbould cat.
 32 Northton. Noteutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 45 Pembroke. Babington cat.
 49 Carnarvon! Twining sp.
 50 Denbigh! Bowman cat.
 51 Flint!
 52 Anglesea.
 54 Lincoln north. Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby! Howitt ms.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 60 west!
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 66 n. west. Paine sp.
 66 Durham. Norman cat.
 67 Northumb. Makepeace sp.
 68 Cheviot. Embleton sp.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 71 Man. Forbes cat.†
 72 Dumfries. Gordon ms.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington.
 83 Edinburgh. Brand sp.
 85 Fife.
 87 Perth west.
 88 mid. Worsley cat.
 90 Forfar? "G. Don."
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 96 Easternness?
 99 Dunbarton?
 00 Clyde-isles. Henedy cat.
 01 Cantire. Balfour cat.
 08 Suth. east?
 09 Caithness.
 N.B. Treated as a non-com-
 mon plant on account of its
 rarity in North Britain, with
 a comparatively sparse dis-
 tribution elsewhere; al-
 though it may actually
 occur in every county of
 South and Mid Britain.

377-8 *Circæa**intermedia*.

- 34 Gloster west. Purchas sp.
 38 Warwick. Cox sp. alpina!
 39 Stafford.
 50 Denbigh. Sandys sp.
 57 Derby. Whittaker sp.
 58 Chester. G. E. Hunt sp.
 59 Lanc. south?
 63 York s. west. Leyland sp.
 64 m. west.
 65 n. west.
 66 Durham? "Storey." Error?
 69 Westmoreland. Watson sp.
 70 Cumberland. Crotch sp.
 77 Lanark. Mrs. Russell sp.
 83 Edinburgh? Brand sp.

- 88 Perth mid. Watson sp.
 89 east. Gardiner sp.
 90 Forfar? Don only?
 95 Elgin. Gordon sp. "Moray."
 99 Dunbarton.
 00 Clyde-isles. Balfour sp.
 01 Cantire? Balfour cat.
 02 Eb. south. Balfour sp.
 08 Suth. west? *C. alpina*?

N.B. A most troublesome plant. In citing the specimens from my herbarium I follow Dr. Ascherson, of Berlin, who appeared to know the *intermedia* better than I can make it out; my own view still inclining to a belief that approximating forms of *lutetiana* and of *alpina* equally get assigned to the *intermedia*. For example, I refer my own Westmoreland specimens confidently to *alpina*, and Mr. Hunt's Cheshire (Cotterill Wood) examples less confidently to *lutetiana*; that is, assuming two species only.

378 *Circæa* *alpina*.

- 38 Warwick. Introduced.
 69 Westmoreland!
 70 Cumberland!
 87 Perth west. Syme cat.
 88 mid!
 89 east?
 90 Forfar. Gard. flo.
 91 Kincardine. Dickie Guide.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff. Dickie Bot. Guide.
 95 Elgin. Gordon cat.
 96 Easternness. Stables cat.
 97 Westernness. *intermedia*?
 98 Argyle. *intermedia*?

- 99 Dunbarton. Clyde flo.
 00 Clyde-isles. Henedy cat.
 02 Eb. south. Balfour sp.
 04 north. Lawson cat.
 05 Ross west. Light. scot.
 06 east. Gordon ms.
 08 Suth. west. Johnston ms.
 [6 25 35 39 43 44 47 48
 50 55 57 58 59 63 64
 67 68 75 77 82 83 85
 111; insufficiently vouched;
 partly erroneous, although
 perhaps not wholly so; and
 some of the counties named
 are at best uncertain].

379 *Hippuris* *vulgaris*.

- 1 Cornwall west?
 3 Devon south.
 6 Som. north. Thwaites ms.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south!
 12 north!
 13 Sussex west. Borrer cat.
 15 Kent east!
 17 Surrey!
 19 Essex north. Varenne ms.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Harris sp.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton! Berkeley ms.
 33 Gloster east.
 36 Hereford. Purchas ms.

37 Worcester. Buckman sp.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop.
 41 Glamorgan. Moggridge sp.
 44 Carmarthen. Motley cat.
 52 Anglesea.
 54 Linc. north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west.
 66 Durham. Bowman sp.
 67 Northumb. Bowman sp.
 68 Cheviotland. Tate ms.
 69 Westmoreland.
 70 Cumberland.
 71 Man. Forbes cat.
 72 Dumfries. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 85 Fife. Syme sp.
 89 Perth east.
 90 Forfar. Croall sp.
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness. Stables cat.
 98 Argyle. Gibson ms.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 09 Caithness. Brown cat.

10 Hebrides.
 11 Orkney. Gillies herb.
 12 Shetland. Tate cat.

380 *Myriophyllum verticillatum*.

1 Corn. west?
 6 Som. north. Collins ms.
 7 Wilts north. Flower cat.
 9 Dorset?
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west! Borrer cat.
 14 east.
 15 Kent east! Smith cat.
 17 Surrey!
 18 Essex south. Wallis sp.
 19 north. Varenne ms.
 20 Herts.
 21 Middlesex.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Paget sp.
 26 west.
 27 Norf. east. Stock sp.
 28 west. Notcutt sp.
 29 Cambridge. Gibson sp.
 30 Bedford.
 31 Hunts. Newbould cat.
 33 Gloster east.
 34 west.
 36 Hereford.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford?
 40 Salop.
 52 Anglesea.
 53 Lincoln south.
 54 north. Bogg cat.
 55 Leicester.
 56 Notts. Howitt sp.
 57 Derby. Bloxam ms.
 58 Chester.
 59 Lanc. south. Bloxam ms.
 61 York s. east.

- 62 York n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Baker sp.
 66 Durham.
 67 Northumb. Bowman sp.
 69 Westmoreland?
 70 Cumberl. Baker cat. 1871.
 [45 50 95 111, insufficiently vouched, and the two latter certainly errors; and in some of the other counties perhaps the plant thus named was truly *alterniflorum*].

381 Myriophyllum "spicatum."

Counties all, except 2 5 46 49
 51 53 61 71 86 93 97 98
 99 101 104 107 [112].
 This is the recorded distribution of *spicatum* more or less confused with *alterniflorum*. This latter is a segregate of recent date; the older records apparently assigning some of its localities to *spicatum*, and others of them to *verticillatum*; a confusion still occasionally made down to present time.

381 Myriophyllum spicatum!

- 3 Devon south. Briggs cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 13 Sussex west. Borrer cat.
 15 Kent east!
 17 Surrey! Coleman cat.
 18 Essex south. Varenne ms.
 19 north. Varenne ms.
 20 Herts.
 21 Middlesex!
 29 Cambridge. Babington cat.

- 31 Hunts. Newbould cat.
 36 Hereford. Shawe sp.
 38 Warwick. Kirk cat.
 40 Salop. Leighton.
 45 Pembroke. Babington cat.
 54 Lincoln north!
 55 Leicester. Bloxam cat.
 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.
 60 west! Simpson sp.
 62 York n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham sp.
 65 n. west.
 66 Durham. Norman cat.
 67 Northumb. Bowman sp.
 68 Cheviotland.
 69 Westmoreland!
 70 Cumber. Baker cat. 1871.
 76 Renfrew. Clydesdale flo.
 77 Lanark. Clydesdale flo.
 83 Edinburgh! Graham sp.
 85 Fife. Syme cat.
 00 Clyde-isles. Hennedy cat.
 10 Hebrides. Balf. Bab. flo.
 11 Orkney. Syme ms.
 N.B. The others are too uncertain and reckoned under the aggregate "*spicatum*."

382 Myriophyllum alterniflorum.

- 1 Corn. west.
 2 east. Pascoe cat.
 5 Som. south. Coleman cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south!
 12 north!
 13 Sussex west. Borrer cat.
 14 east.
 17 Surrey!
 18 Essex south.
 19 north. Ray sp.
 20 Herts?
 21 Middlesex.

- 22 Berks.
 29 Cambridge. Babington sp.
 31 Hunts. Berkeley ms.
 34 Gloster west.
 36 Hereford. Ley sp.
 38 Warwick. Kirk cat.
 40 Salop. Bidwell sp.
 45 Pembroke. Babington cat.
 49 Carnarvon.
 54 Lincoln north!
 55 Leicester. Bloxam sp.
 58 Chester.
 59 Lanc. south. Webb cat.
 62 York n. east. Baker sp.
 63 s. west.
 64 m. west. Baker sp.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviotland.
 69 Westmoreland. Borrer ms.
 70 Cumberland. Oliver sp.
 81 Berwick. Syme sp.
 83 Edinburgh.
 85 Fife. J. B. Balfour ms.
 89 Perth east. Syme sp.
 92 Aber. south! Dickie sp.
 93 north.
 96 Easternness!
 00 Clyde-isles. Hennedy cat.
 04 Eb. north.
 08 Suth. west. Oliver sp.
 09 Caithness. Brown cat.
 10 Hebrides.
 12 Shetland.

383 *Callitriche* *verna*.

Counties all, except 47 86 93
 106 107, with the usual
 nine. Such is the recorded
 distribution of *C. verna*; but
 no doubt more or less in-
 cluding the two other very
 unsatisfactory species treat-
 ed underneath as nos. 384
 and 385.

384 *Callitriche* *platycarpa*.

Counties all, from 1 to 112;
 but with many exceptions
 to the records through bota-
 nists not generally distin-
 guishing this from the pre-
 ceding. My list of counties
 affords no sufficient autho-
 rities for the following:—2
 4 6 8 14 16 25 26 30 32
 35 37 39 41 42 43 47 48
 50 51 53 54 56 57 60 61
 71 72 73 75 78 79 84 86
 88 90 93 95 97 103 105
 to 109 111; in some of
 these counties very likely
 seen by myself without spe-
 cial notes being kept.

385 *Callitriche* *hamulata*. *pedunculata*. *truncata*, etc.

Counties all, from 1 to 112;
 but with still more nume-
 rous exceptions. Several
 segregates are included, very
 dubiously distinct, and va-
 riously named at different
 dates. The plant varies
 much according to its situa-
 tions, in deep water, in
 shallow water, in still or
 running water, or in places
 alternately covered with
 water or left bare. The va-
 riations so induced are de-
 scribed as different species;
 their localities inextricably
 confused in book records.

386 *Callitriche* *autumnalis*.

3 Devon south. "Parfitt sp."
 58 Chester. "Warren."

- 52 Anglesea. Babington sp.
 64 York m. west. Lees cat.
 67 Northumb. Thornhill sp.
 68 Cheviotland. New flo.
 85 Fife. Boswell Syme sp.
 91 Kinc. Dickie sp. Syme sp.
 95 Elgin. Gordon cat.
 02 Eb. south. Balfour cat.
 06 Ross east. Gordon cat.
 09 Caithness. Brown cat.
 11 Orkney.

"Loch of Glum; Arnott."

"Loch Clunie;" Stables, &c.

[9 12 15 17 19 21 25 30

36 37 38 39 41 46 52 55

56 59 62 65 70 82 108

112; all insufficiently vouch-
 ed, and most of them errors
 through mistaking some
 form of no. 385 for the pre-
 sent clearly distinct plant].

388 *Ceratophyllum* aquaticum.

- 1 Corn. west.
 3 Devon south.
 6 Som. north. Hort sp.
 7 Wilts north. Flower cat.
 8 south?
 9 Dorset. Pleydell cat.
 11 Hants south!
 13 Sussex west. Borrer cat.
 14 east?
 15 Kent east! Smith cat.
 17 Surrey!
 18 Essex south.
 19 north. Varenne sp.
 20 Herts. Coleman cat.
 21 Middlesex! Sansom sp.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norf. east.
 28 west. Notcutt sp.

- 29 Cambridge. Babington cat.
 31 Hunts. Newbould cat.
 33 Gloster east. Hort sp.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk sp.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat. co.
 44 Carmarthen. Motley ms.
 50 Denbigh? Faun. Grust.
 54 Lincoln north. Bogg cat.
 55 Leicester. Bloxam ms.
 56 Notts.
 58 Chester. Warren cat.
 59 Lanc. south.
 62 York n. east.
 66 Durham. Norman cat.
 81 Berwick.
 83 Edinburgh. Arnott sp.
 84 Linlithgow. Balfour sp.
 S. E. Highlands?
 90 Forfar.

389 *Lythrum*

Hyssopifolia.

- 20 Herts. Coleman sp.
 29 Cambridge. Hooker sp.
 32 Northton. Berkeley ms.
 [1 3 70]. (10 15 17 21
 22 23 26 30 31 37 39 44
 55 56 57 59 64 80; casual
 or erroneously reported).¹

390 *Lythrum*

Salicaria.

- 1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.

- 12 Hants north !
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east ! Smith cat.
 16 west.
 17 Surrey !
 18 Essex south. Varenne ms.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex ! Hind cat.
 22 Berks ! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suff. east. Stock cat.
 26 west. Babington ms.
 27 Norf. east. Cooper sp.
 28 west. Notcutt cat.
 29 Cambridge.
 30 Bedford.
 31 Hunts ! Newbould cat.
 32 Northton !
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford ! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 53 Lincoln south !
 54 north ! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester ! Warren cat.
 59 Lanc. south ! Webb cat.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 York n. west. Ward cat.
 66 Durham. Storey sp.
 67 Northumb. Bowman sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland !
 70 Cumberland ! Baker cat.
 71 Man. Forbes cat.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 74 Wigton. Balfour sp.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 81 Berwick. Syme sp.
 82 Haddington. Balfour sp.
 85 Fife. Syme sp. and cat.†
 87 Perth west.
 98 Argyle. Gordon ms.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 N.B. Although plentiful in
 England, this is too local
 in Scotland to come under
 the "common plants."

391 Peplis

Portula.

Counties all, except 6 32 33
 35 49 51 54 60 68 71 73
 80 82 84 86 89 97 98 104
 107 110 112, with the
 usual nine ; likely to be
 found in all of these, unless
 in the two or four highest
 numbered.

393 Bryonia

dioica.

- 3 Devon south. Planted ?
 4 north ?
 5 Som. south. Collins ms.
 6 north !
 7 Wilts north. Flower cat.
 8 south. Flower cat.

- 9 Dorset. Pleydell cat.
 10 Wight. Bromfield ms.
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west! Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 16 west!
 17 Surrey! Ellis ms.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas ms.
 26 west.
 27 Norf. east. Sir J. Paget sp.
 28 west. Miss Bell sp.
 29 Cambridge.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton!
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester! Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan. Barnard ms.
 50 Denbigh. Bowman cat.
 51 Flint. Gordon ms.
 53 Linc. south!
 54 north! Bogg cat.
 55 Leicester. Coleman ms.
 56 Notts. Church. Bab. ms.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.†
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Ch. Bab. ms.
 64 m. west. Lees cat.

- 65 York n. west. Bowman sp.
 66 Durham. Ward sp.
 67 Northumberland.
 68 Cheviotland. Chrisp ms.
 75 Ayr.

394 Montia**fontana.**

Counties all, except 31 51 80
 82 84 86 98 107, with the
 usual nine; doubtless to be
 found in every county.

395 Illecebrum**verticillatum.**

- 1 Corn. west! Cunnack sp.
 2 east. Pascoe cat.
 3 Devon south?
 4 north?

396 Corrigiola**littoralis.**

- 1 Corn. west! Cunnack sp.
 3 Devon south. Goulding sp.

397 Herniaria**vulgaris.**

- 1 Corn. west! Pascoe sp.
 25 Suff. east. Bloomfield ms.
 26 west. Skepper ms.
 27 Norf. west. Wardale sp.
 29 Cambridge.
 53 Linc. south?
 [6 11 21 41 56 59 81 88
 or 89; insufficiently vouch-
 ed, and mostly errors].

398 Polycarpon**tetraphyllum.**

- 1 Corn. west! Cunnack cat.
 2 east?
 3 Devon south. Bromf. ms.
 9 Dorset. Borrer ms.
 (21 41 61 80; introduced
 into these counties, if not
 simply errors in 41 61).

399 Scleranthus annuus.

Counties all, except 5 31 35
41 45 51 54 60 69 97 98
104 110 111 112; perhaps
really absent from the three
or four last numbered coun-
ties.

400 Scleranthus perennis.

26 Suffolk west. Bunbury sp.
27 Norf. east?
28 west. Wardale sp.
43 Radnor. Purchas sp.
[5 or 6 15 17 32 39 48
58 90; all or mostly errors].

401 Ribes

nigrum.

N.B. Scarcely any botanists,
whose opinions can be held
of any weight in the ques-
tion of indigenoussness, omit
the mark, or other indica-
tion of uncertain nativity,
in connexion with the name
of this shrub.

404 Ribes

rubrum.

N.B. This is nearly as much
questioned as the preceding,
although on the whole less
positively rejected as a na-
tive shrub. Possibly it may
be indigenous in the pro-
vinces of Humber, Tyne,
Lakes, East and West High-
lands; although chiefly in
form of *petraeum* or *spicatum*,
if not exclusively so.

404 Ribes

petraeum.

64 York m. west. Baker sp.

65 York n. west. Ward sp.

66 Durham. New flo.

67 Northumb. New flo.

69 Westmoreland.

70 Cumberland!

87 Perth west. Syme cat.†

88 mid!

90 Forfar?

93 Aber. north?

95 Elgin. Gordon sp.

96 Easterness. Gordon sp.

02 Eb. south. Balfour sp.

04 north. "spicatum."

N.B. Passes into the *sylvestre*
variety of *rubrum* by inter-
mediate degrees of pubes-
cence, etc. See Comp. Cyb.
Brit. page 514.

405 Ribes

alpinum.

34 Gloster west. Waring, B. G.

36 Hereford. Purchas flo.*

38 Warwick. With. arr.

39 Stafford. Garner, "wild." H. V.

41 Glamorgan?

44 Carmarthen. Milne.†

49 Carnarvon. Davies.

50 Denbigh. Bowman cat.

52 Anglesea. Welch Bot.

55 Leicester. Coleman flo.*

56 Notts. Howitt flo.

57 Derby. Purchas ms.†

58 Chester. Bradbury.

59 Lanc. south. Webb cat.*

61 York s. east. "recorded."

62 n. east. Baker cat.

63 s. west. Dill, R. S.

64 m. west. Tatham cat.

65 n. west. "native."

66 Durham. New flo.†

67 Northumberland. New flo.†

68 Cheviotland. New flo.†

69 Westmoreld. Annals of K.

70 Cumberland. Jos. Robson.

76 Renfrew. Clydesdale flo.†

77 Lanark. Hennedy cat.*

83 Edinburgh. Balf. flo.*

84 Linlithgow. Balf. flo.*

92 Aber. south. Dickie G.*

N.B. This shrub has been often planted in the gardens and shrubberies of North England, probably on account of its early leafing and flowering, unshowy as its flowers are. Nowhere seen by myself in a truly wild state. In citing the reported counties here book records have been resorted to, with the double series of marks, to indicate greater (*) or less (+) suspicion against the true nativity of the shrub.

406 Ribes

Grossularia.

N.B. When we attempt to trace the distribution of this shrub through Britain, county by county, the adverse opinions against its real nativity greatly predominate over the very few given in support. What can be said in favour of its nativity, may be seen on pages 377 to 382 of Phytologist, volume third; and those who admire a rambling and illogical style of writing may there find a striking example of the late Dr. Bromfield's capacity for wordiness of that kind. Recorded in eighty counties; chiefly, if not solely, the offspring or descendants from seeds conveyed out of gardens.

407 Tillæa

muscosa.

2 Corn. east?

3 Devon south. Briggs sp.

9 Dorset. Pleydell cat.

11 Hants south.

25 Suff. east. Stock sp.

26 west. Babington ms.

27 Norf. east. Hooker sp.

28 west. Miss Bell sp.

[22 Berks; Brit. contrib.].

408 Sedum

Rhodiola.

42 Brecon,—or Glamorgan?

48 Merioneth.

49 Carnarvon!

64 York m. west? error loci?

65 n. west. Baker sp.

68 Cheviotland. Tate ms.

69 Westmoreland!

70 Cumberland!

71 Man. J. Macnab ms.

75 Ayr. Duncan cat.

81 Berwick. Syme sp.

83 Edinburgh. Balfour cat.

85 Fife.

86 Stirling. Hooker sp.

88 Perth mid!

90 Forfar! Croall sp.

92 Aber. south! Dickie cat.

93 north. "sea-coast."

96 Easternness!

97 Westernness!

98 Argyle. Hooker sp.

99 Dunbarton.

00 Clyde-isles. Hennedy cat.

01 Cantire. Balfour cat.

02 Eb. south. Balfour cat.

03 mid.

04 north. Lawson cat.

06 Ross east. Gordon cat.

08 Suth. west! Ch. Bab. ms.

11 Hebrides.

11 Orkney. Syme cat.

12 Shetland. Tate sp.

409 Sedum

Telephium.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north. Edmonds sp.
- 5 Somerset. Southby ms.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. "Pulteney."
- 10 Wight. Bromfield ms.
- 11 Hants south! Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west!
- 17 Surrey! Indigenous?
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex! An escape?
- 22 Berks.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Extinct?
- 30 Bedford.
- 32 Northton. Berkeley ms.
- 34 Gloster west! Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick.
- 39 Stafford. Bloxam sp.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Moggridge sp.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 47 Montgomery.
- 48 Merioneth.
- 49 Carnarvon!
- 50 Denbigh! Bowman cat.

- 52 Anglesea.
- 57 Derby! Norman sp.
- 58 Chester.
- 59 Lanc. south.
- 61 York s. east.
- 62 n. east.
- 63 s. west.
- 64 m. west. Tatham cat.
- 65 n. west. Ward sp.
- 66 Durham. Baker ms.
- 67 Northumberland.
- 68 Cheviotland. Tate cat.†
- 69 Westmoreland!
- 70 Cumberland. Baker cat.
- 72 Dumfries. Miss Twining sp.
- 73 Kirkeudbright. Syme sp.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.
- 77 Lanark. Hooker sp.
- 80 Roxburgh. Duncan cat.
- 81 Berwick.
- 82 Haddington.
- 83 Edinburgh. Balfour cat.
- 85 Fife. G. Lawson ms.†
- 87 Perth west. Syme cat.†
- 88 mid. Miss Worsley.†
- 89 east!†

(90 92 95 96 111 112; introduced to these counties; likely so to several of those enumerated by name). It appeared to me truly native on the coast rocks near the Land's End, Cornwall. It may be so in Surrey; though I feel undecided about that county as well as all the rest distinguished by the sign "!"

410 Sedum

villosum.

- 64 York m. west. Tatham sp.
- 65 n. west. Ward sp.
- 66 Durham. Baker sp.
- 67 Northumb. Thompson sp.

- 68 Cheviotland. Tate ms.
- 69 Westmoreland!
- 70 Cumberland.
- 73 Kirkcudbright. Gray cat.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.
- 77 Lanark. Hooker sp.¹
- 81 Berwick.
- 83 Edinburgh! G. Macnab sp.
- 84 Linlithgow. Balfour cat.
- 85 Fife.
- 86 Stirling.
- 87 Perth west! Syme cat.
- 88 mid.
- 90 Forfar.
- 91 Kincardine. Syme cat.
- 92 Aber. south. Dickie sp.
- 93 north. Dickie flo.
- 94 Banff. Gordon ms.
- 95 Elgin. Gordon cat.
- 98 Argyle. Balfour sp.
- 99 Dunbarton.
- 00 Clyde-isles. Hennedy cat.
- [59 "James Roscoe."

412 Sedum anglicum.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 13 Sussex west. Salmon ms.
- 14 east. Maw sp.
- 15 Kent east. French sp.
- 19 Essex north? "Irvine."
- 25 Suff. east. Varenne sp.
- 27 Norfolk east. Paget sp.
- 40 Salop. Leighton cat. co.
- 43 Radnor.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Twining sp.

- 48 Merioneth.
- 49 Carnarvon!
- 50 Denbigh! Bowman cat.
- 52 Anglesea!
- 58 Chester. Warren ms.
- 59 Lanc. south.
- 62 York n. east. "Mudd sp."
- 68 Cheviot. Embleton sp.
- 69 Westmoreland. Crotch sp.
- 70 Cumberland. Baker cat.
- 71 Man. Forbes cat.
- 72 Dumfries. Gray cat.
- 73 Kirkcudbright. Gray cat.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.
- 85 Fife! May Isle.
- 87 Perth west! Syme cat.
- 90 Forfar.
- 95 Elgin. Gordon cat.
- 97 Westernness. Ch. Bab. ms.
- 98 Argyle! Church. Bab. ms.
- 99 Dunbarton! Hooker sp.
- 00 Clyde-isles. Hennedy cat.
- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour cat.
- 03 mid. Ch. Bab. ms.
- 04 north. Lawson cat.
- 10 Hebrides.
- 12 Shetland.
- [28 92; both errors?]

414 Sedum acre.

Counties all, except 14 31 46
88 97 104 107 112; likely
to occur in these also, un-
less the last of them.

415 Sedum reflexum.

N.B. This cannot be treated
as a true native. It is re-
ported from over sixty coun-
ties, usually as an escape
from gardens. Two gar-
den species pass under this

name; one of which is also occasionally mistaken for *rupestre*, when found in a quasi-wild state. In turn, the truly wild *S. rupestre* is made up out of two other species; one of these other two being much confused with *S. Forsterianum*. Herbarium specimens of the five plants, thus confused together, are seldom in a state to yield much aid in diagnosis. The book characters, especially those of the two treated underneath, are misleading through describers mistaking mere states of growth or luxuriance for specific characters, ex. gr. "leaves in rose-like tufts."

416 Sedum

rupestre.
"elegans."

- 4 Devon north.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 34 Gloster west. Borrer ms.
- 35 Monmouth. Purchas ms.
- 40 Salop.
- 43 Radnor. Purchas ms.
- 46 Cardigan. Miss Atwood.
- 47 Montgomery. Newman ms.
- 48 Merioneth. Newman ms.
- 49 Carnarvon. Rev. J. Harris.
(3 27 32 38 66 67 68 69
74). [36 57 52].

416 Sedum

Forsterianum.
aureum, Wirtgen?

- 36 Hereford. Purchas ms.
- 40 Salop. Leighton cat. co.
- 41 Glamorgan.
- 43 Radnor. Purchas ms.

46 Cardigan.

47 Montgomery. Bloxam ms.

48 Merioneth.

49 Carnarvon.

50 Denbigh. Bowman ms.

[3 5 6 32 35; very uncertain; nor can much trust be given to the counties assigned by name above either to this species or to the preceding].

418 Cotyledon

Umbilicus.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south. Pamplin ms.
- 13 Sussex west. Borrer cat.
- 15 Kent east. Smith cat.
- 17 Surrey!
- 22 Berks. Miss Bell ms.
- 23 Oxford.
- 32 Northton. Extinct?
- 34 Gloster west! Thwaites cat.
- 35 Monmouth. Watkins sp.
- 36 Hereford. Shawe sp.
- 37 Worcester. Bagnall ms.
- 38 Warwick. Bree ms.
- 39 Stafford.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Dyke sp.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Atwood ms.
- 47 Montgom. Bowman ms.
- 48 Merioneth. Bowman ms.
- 49 Carnarvon! Stables sp.
- 50 Denbigh! Bowman cat.

- 52 Anglesea!
 55 Leicester. Howitt ms.
 57 Derby. Church. Bab. sp.
 58 Chester! Warren cat.
 59 Lanc. south! Webb cat.
 63 York s. west. Leyland sp.†
 65 n. west? "Miss Otter."
 69 Westmoreland.
 70 Cumberland.
 71 Man. Forbes cat.
 73 Kirkcudbright. Balfour sp.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 98 Argyle. Hooker sp.
 00 Clyde-isles. Balfour sp.
 01 Cantire. Balfour cat.
 03 Ebudes mid. Stables sp.

422 *Saxifraga* *stellaris.*

- 47 Montgom. Bowman ms.
 48 Merioneth. Butler sp.
 49 Carnarvon!
 50 Denbigh. Bowman ms.
 51 Flint.
 64 York m. west. Lees cat.
 65 n. west. Pinder ms.
 66 Durham.
 67 Northumberland.
 68 Cheviot. Embleton sp.
 69 Westmoreland!
 70 Cumberland!
 72 Dumfries.
 78 Peebles.
 85 Fife.
 86 Stirling. Hooker sp.
 87 Perth west. Syme sp.
 88 mid!
 89 east!
 90 Forfar!
 91 Kincardine. Boswell ms.
 92 Aber. south! Dickie cat.
 94 Banff. Gordon ms.
 95 Elgin.
 96 Easternness! Gordon ms.
 97 Westernness!

- 98 Argyle. Montgomery ms.
 99 Dunbarton!
 00 Clyde-isles. Henedy cat.
 03 Eb. mid. Ch. Bab. ms.
 04 north.
 06 Ross east. Gordon ms.
 08 Suth. west! Graham sp.
 09 Caithness. Brown cat.
 10 Hebrides.

423 *Saxifraga* *nivalis.*

- 49 Carnarvon. Butler sp.
 69 Westmoreland. very rare.
 70 Cumberland. very rare.
 86 Stirling. Hooker sp.
 88 Perth mid! Gourlie sp.
 89 east. Brand sp.
 90 Forfar! H. M. Balfour sp.
 92 Aber. south! Dickie cat.
 98 Argyle.
 99 Dunbarton. "Voirlick."
 03 Eb. mid?
 04 north. Lawson cat.
 [48 50; misnomers].

424 *Saxifraga* *Hirculus.*

- 58 Chester. Extinct.
 65 York n. west. Oliver sp.
 66 Durham.
 69 Westmoreland. Baker ms.
 77 Lanark. Campbell sp.
 81 Berwick. Johnston sp.
 83 Edinburgh. Balfour cat.
 87 Perth west. Syme "v. s."
 [Aberdeen? "James Rae."]

425 *Saxifraga* *aizoides.*

- 64 York m. west. Baker sp.
 65 n. west. Pinder ms.
 66 Durham. Bowman sp.
 67 Northumberld. Winch sp.
 69 Westmoreland!
 70 Cumberland!

- 71 Man. J. Macnab ms.
- 75 Ayr. Landsborough ms.
- 76 Renfrew. Hennedy cat.
- 86 Stirling.
- 87 Perth west! Syme cat.
- 88 mid! Worsley cat.
- 89 east!
- 90 Forfar! Brand sp.
- 91 Kincardine. Syme cat.
- 92 Aber. south! Dickie cat.
- 94 Banff. Gordon ms.
- 95 Elgin. Gordon cat.
- 96 Easternness! Stables cat.
- 97 Westernness!
- 98 Argyle! Hooker sp.
- 99 Dunbarton! Hooker sp.
- 00 Clyde-isles. Hennedy cat.
- 01 Cantire. Balfour sp.
- 02 Eb. south. Balfour cat.
- 04 north. Lawson cat.
- 06 Ross east! Gordon ms.
- 07 Suth. east. Syme sp.
- 08 west! Ch. Bab. ms.
- 11 Orkney. Neill. Syme ms.
- [57 58; errors?].

426 Saxifraga oppositifolia.

- 42 Brecon.
- 48 Merioneth.
- 49 Carnarvon!
- 64 York m. west. Rylands sp.
- 69 Westmoreland.
- 70 Cumberland!
- 72 Dumfries.
- 77 Lanark. Planted?
- 86 Stirling. Hooker sp.
- 88 Perth mid!
- 89 east!
- 90 Forfar! G. Macnab sp.
- 92 Aber. south! Dickie cat.
- 93 north. On sea cliffs.
- 96 Easternness! Gordon ms.
- 97 Westernness!
- 98 Argyle. Ch. Bab. ms.
- 00 Clyde-isles.

- 01 Cantire. Balfour sp.
- 04 Eb. north. Lawson cat.
- 06 Ross east. Gordon ms.
- 08 Sutherland west!
- 09 Caithness. Brown cat.
- 11 Orkney. Syme ms.
- 12 Shetland.

427 Saxifraga granulata.

Somerset?

- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 11 Hants south.
- 12 north.
- 15 Kent east. Smith cat.
- 17 Surrey! Brewer sp.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Isaac Brown sp.
- 21 Middlesex!
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east. Cooper sp.
- 28 west. Notcutt cat.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 32 Northton. Notcutt cat.
- 33 Gloster east. Dyer ms.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 50 Denbigh. Bowman cat.
- 52 Anglesea.
- 53 Linc. south. Bloxam ms.
- 54 north. Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby! Howitt cat.
- 58 Chester. Warren cat.

- 59 Lanc. south. Scholes sp.
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham.
 67 Northumb. Storey ms.
 68 Cheviot. Embleton sp.
 69 Westmoreland.
 70 Cumberland!
 72 Dumfries. Gray cat.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Hooker sp.
 78 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Brand sp.
 84 Linlithgow. Balfour cat.
 85 Fife. Syme cat.
 86 Stirling. Gourlie sp.
 87 Perth west. Syme cat.
 88 mid. Gordon ms.
 90 Forfar. Croall sp.
 91 Kincardine. Miss Boswell.
 92 Aber. south. Dickie sp.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 (71 111).

428 Saxifraga
cernua.

- 88 Mid Perth!

429 Saxifraga
rivularis.

- 88 Mid Perth.
 90 Forfar??
 92 South Aberdeen. Hooker sp.
 97 Westernness!

430 Saxifraga
tridactylites.

- 1 Corn. west.
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne ms.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west. Babington ms.
 27 Norfolk east. Cooper cat.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Shawe sp.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford. Bagnall ms.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke.
 48 Merioneth. Price sp.
 49 Carnarvon!
 50 Denbigh! Bowman cat.

- 52 Anglesea.
 53 Lincoln south. Bloxam ms.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south! Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Bowman sp.
 66 Durham.
 67 Northumberland.
 68 Cheviotland. Tate cat.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 82 Haddington. Christy sp.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife.
 90 Forfar. Croall sp.
 92 Aber. south.
 93 north. Dickie flo.
 96 Easterness. "Dr. Hope."
 06 Ross east. "Mr. Brichan."
 07 Suth. east. "Dr. Gordon."
 09 Caithness. Brown cat.

431 *Saxifraga* *hypnoides*.

- 6 Som. north. Clark ms.
 36 Hereford. Gissing ms.
 39 Stafford. Bloxam ms.
 40 Salop.
 41 Glamorgan.
 42 Brecon.
 43 Radnor.
 47 Montgomery.
 48 Merioneth.
 49 Carnarvon! Streeten sp.
 50 Denbigh. Bowman cat.
 57 Derby! Howitt cat.
 64 York m. west. Tatham sp.
 65 n. west. Baker sp.
 66 Durham. Bowman sp.

- 68 Cheviotland. Tate ms.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 72 Dumfries.
 75 Ayr.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 83 Edinburgh! Brand sp.
 85 Fife.
 86 Stirling.
 87 Perth west. Syme cat.
 88 mid!
 90 Forfar!
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff. Dickie ms.
 96 Easterness!
 97 Westerness!
 99 Dunbarton. Gourlie sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire.
 04 Eb. north. Ch. Bab. sp.
 08 Suth. west!
 11 Orkney?
 [3]. (9 38).

432 *Saxifraga* *cæspitosa*.

- 94 Banff. Dr. M. Barry sp.
 97 Westerness. "J. Woods."
 [49 57 69 70 90 92].

434 *Chrysosplenium* *oppositifolium*.

- Counties all, except 29 31 51
 53 54 60 74 86 98 107
 110 112; likely to be found
 in all, unless the two first
 and two last should be real
 exceptions. Far from com-
 mon in the south-eastern
 counties of England.

435 *Chrysosplenium* *alternifolium*.

4 Devon north. "Wainwright."
 5 Som. south. Coleman sp.
 6 north.
 7 Wilts north. Flower sp.
 8 south.
 9 Dorset. Pleydell cat.
 12 Hants north. Ellis sp.
 15 Kent east. Smith cat.
 17 Surrey. Kingsley sp.
 18 Essex south.
 19 north.
 22 Berks.
 24 Bucks? Hurst ms.
 25 Suffolk east. Coleman sp.
 27 Norfolk east.
 28 west.
 33 Gloster east. Prentice cat.
 35 Monmouth.
 36 Hereford.
 37 Worcester. Bagnall sp.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Bidwell sp.
 41 Glamorgan. Dyke sp.
 50 Denbigh! Bowman cat.
 51 Flint.
 55 Leicester.
 56 Notts.
 57 Derby. Howitt sp.
 58 Chester.
 59 Lanc. south! Goodlad hb.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumberland.
 68 Cheviot. Miss Pringle sp.
 69 Westmoreland.
 70 Cumberland. Baker cat.
 72 Dumfries. Gray cat.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.

77 Lanark. Henedy cat.
 81 Berwick. Johnston ms.
 82 Haddington.
 83 Edinburgh! Brand sp.
 87 Perth west. Syme cat.
 88 mid!
 90 Forfar!
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness. Stables cat.
 99 Dunbarton.
 [16 error of species?].
 [24 "error of county."].

436 *Parnassia**palustris.*

9 Dorset. Pleydell "v. sp."
 11 Hants south.
 17 Surrey. Rev. E. Wood ms.
 19 Essex north.
 20 Herts. Warner sp.
 21 Middlesex.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Pamplin ms.
 25 Suffolk east.
 26 west. Bunbury sp.
 27 Norfolk east. Cooper sp.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Berkeley ms.
 33 Gloster east. Roberts ms.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop.
 49 Carnarvon. Babington ms.
 50 Denbigh. Bowman ms.
 52 Anglesea.
 55 Leicester. Ch. Bab. ms.
 56 Notts.

- 57 Derby! Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south! Webb cat.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham sp.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumberland. Bowman sp.
 68 Cheviot. Embleton sp.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Syme ms.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife.
 87 Perth west! Syme cat.
 88 mid! Worsley cat.
 90 Forfar.
 91 Kinc. Mrs. Dickson ms.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness! Stables cat.
 97 Westernness! Ch. Bab. ms.
 98 Argyle.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 03 north. Lawson cat.
 06 Ross east. Gordon ms.
 08 Suth. west! Johnston ms.
 09 Caithness. Brown cat.
 11 Orkney. Syme cat.
 12 Shetland. Tate sp.

[6 7 8 10; insufficiently

vouched, by Sole, etc.]

437 Adoxa

Moschatellina.

- 1 Corn. west.
 2 east.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south. Notcutt cat.
 12 north. Pamplin ms.
 13 Sussex west. Borrer cat.
 15 Kent east. Smith cat.
 17 Surrey! Wood ms.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex. Kingsley sp.
 22 Berks. Britten cat.
 23 Oxford. Beesley ms.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east. Cooper sp.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Watkins sp.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Bidwell sp.
 41 Glamorgan. Dyke sp.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon!
 50 Denbigh! Bowman cat.

- 52 Anglesea.
 54 Linc. north. Thompson ms.
 55 Leicester. Howitt sp.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 60 west. Simpson sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumberland.
 68 Cheviot. Miss Pringle sp.
 69 Westmoreland.
 70 Cumberland! Baker cat.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 86 Stirling.
 87 Perth west. Syme cat.
 88 mid!
 90 Forfar. Croall sp.
 91 Kincardine. "Boswell."
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness. Stables cat.
 99 Dunbarton?
 00 Clyde-isles. Hennedy cat.
 06 Ross east. Stables sp.

438 Hedera**Helix.**

Counties all, except 86 89 97
 98 107 110, with the usual
 nine; likely to occur in all,

unless 110 be a real excep-
 tion.

439 Cornus**sanguinea.**

- 1 Corn. west.
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west! Borrer cat.
 14 east! Coleman cat.
 15 Kent east! Smith cat.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west. Cooper sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton! Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.

- 45 Pembroke?
 50 Denbigh! Bowman cat.
 52 Anglesea.
 53 Lincoln south. Bloxam ms.
 54 north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.†
 60 west. Simpson sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 69 Westmoreland!
 70 Cumberland. Wild?
 (67 68 77 81 82 83 84
 85 88 95 102; perhaps also
 not truly wild in 58 59 60).

440 Cornus**suecica.**

- 62 York n. east. J. Bean sp.
 68 Cheviotland. Tate ms.
 88 Perth mid! Hooker sp.
 89 east.
 90 Forfar!
 92 Aber. south! Dickie cat.
 94 Banff. Gordon ms.
 96 Easternness!
 97 Westernness!
 05 Ross west.
 06 east. Gordon sp.
 07 Sutherland east.
 08 west!

[83 Edinburgh. By a trick?]

441 Hydrocotyle**vulgaris.**

Counties all, except 32 46 49
 51 54 60 80 86 89 97 98
 107 108; probably grows
 in all of these counties.

442 Sanicula**europæa.**

Counties all, except 51 60 71
 72 86 89 97 98 101 102
 107 111 112.

444 Eryngium**maritimum.**

- 1 Corn. west! Curnow sp.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north. Maw cat.
 5 Som. south. Collins ms.
 6 north. Clark sp.
 9 Dorset. Pleydell cat.
 10 Wight! Miss Twining sp.
 11 Hants south.
 14 Sussex east. Hall cat.
 15 Kent east! Buckland sp.
 18 Essex south.
 19 north. Skepper ms.
 25 Suff. east. Purchas ms.
 27 Norf. east. Paget sp.
 28 west.
 41 Glamorgan. Dyke sp.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Purchas ms.
 48 Merioneth.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 52 Anglesea!
 54 Linc. north! Thompson ms.
 58 Chester! Warren cat.
 59 Lanc. south! Tudor sp.
 60 west.
 61 York s. east.
 62 n. east.
 66 Durham. Extinct?
 69 Westmoreland.
 70 Cumberland.
 71 Man. J. Macnab ms.
 73 Kirkcudb. Gordon ms.
 75 Ayr. Hooker sp.
 82 Haddington. Balfour cat.
 83 Edinburgh. Extinct?

- 85 Fife.
 90 Forfar.
 91 Kincardine ?
 93 Aber. north.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 03 mid.
 12 Shetl. ? 2 loc. in Edm. flo.

445 Eryngium campestre.

- 3 Devon south. Goulding sp.
 6 Som. north. Clark sp. 1847.
 25 Suff. east. Bloomfield 1856.
 32 Northton. Notcutt 1843.
 66 Durham. Storey sp.† 1843.
 67 Northumb. "ballast hills."
 [1 35 36 or 37 60].

446 Conium maculatum.

- Counties all, except 35 46 49
 51 61 88 89 97 98 103
 to 107 112. Dubiously in-
 digenous northward of the
 Grampians.
 108 West Sutherland !
 109 Caithness !
 110 Hebrides ; Balf. Bab. cat.
 111 Orkney ; Neill Tour.

447 Physospermum cornubiense.

- 1 Corn. west ?
 2 east ! Bree ms.
 3 Devon south. Banker sp.

448 Smyrnum Olusatrum.

- 1 Corn. west. Cunnack cat.†
 2 east. Briggs cat.†
 3 Devon south. Briggs cat.†
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 6 north. Swete flo.

- 9 Dorset. Pleydell cat.
 10 Wight. More cat.† Bromf.
 11 Hants south. Notcutt cat.
 13 Sussex west. Borrer.†
 14 east. Hall ms.
 15 Kent east. Smith cat.*
 16 west. Pamplin ms.†
 17 Surrey. Brewer flo.
 18 Essex south. Gibson flo.
 19 north. Varenne ms.
 20 Herts. W. C. flo.*
 21 Middlesex. T. D. flo.*
 22 Berks. Britten Contrib.
 23 Oxford. Sibthorpe flo.
 24 Bucks. "reported."
 25 Suff. east. Stock cat.
 26 west. H. S. flo.
 27 Norf. east. Trimmer flo.
 28 west. Trimmer flo.
 29 Cambridge. Bab. flo.*
 30 Bedford. Abbot flo.
 31 Hunts. Newbould cat.
 34 Gloster west. Thwaites cat.†
 37 Worcester. Lees M. flo.
 39 Stafford. Garner flo.†
 40 Salop. Leighton flo.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Atwood ms.
 49 Carnarvon. Leefe ms.†
 50 Denbigh. Bowman ms.
 52 Anglesea. Davies flo.
 55 Leicester. Coleman flo.*
 56 Notts. Howitt flo.
 58 Chester. Liverpool new flo.
 61 York s. east. "denizen."
 62 n. east. "denizen."
 63 s. west. "denizen."
 64 m. west. "denizen."
 66 Durham. "denizen."
 67 Northumb. "denizen."
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 81 Berwick. "Parsons. Ray."
 82 Haddington. Balfour cat.
 83 Edinburgh. B. & S. flo.

85 Fife. Hooker flo. scot.
 86 Stirling. An escape.
 91 Kincardine. "introduced."
 92 Aber. south. "introduced."
 93 north. "introduced."
 99 Dunbarton. Clydes. flo.
 00 Clyde-isles. Landsborough.
 N.B. Finding myself unable
 to indicate the counties
 in which this plant is in-
 digenous, if truly indige-
 nous anywhere, I resort to
 the plan of citing authorities,
 with the addition of the two
 signs (*†) to show their
 greater or less distrust of
 nativity. I have seen the
 plant in about a score of
 counties; its inland localities
 always near old dwellings.
 Possibly wild on coast cliffs.

449 Cicuta

virosa.

6 Som. north. Clark sp.
 20 Herts.
 25 Suffolk east.
 26 west.
 27 Norf. east. Paget sp.
 28 west. Marshall ms.
 29 Cambridge. Extinct?
 30 Bedford.
 35 Monmouth.
 36 Hereford. Prior ms.
 37 Worcester.
 39 Stafford.
 40 Salop. Bowman sp.
 53 Lincoln south.
 56 Notts. Extinct?
 58 Chester. Warren ms.
 59 Lanc. south. Windsor sp.
 62 York n. east.
 65 n. west.
 68 Cheviotland.
 72 Dumfries. Gray. Lloyd.
 75 Ayr. Duncan cat.

77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 83 Edinburgh.
 85 Fife. Syme sp. Dewar sp.
 90 Forfar. Stables sp.
 99 Dunbarton. Hooker sp.
 [8 9 13 to 17 21 24 61
 63 64 67 70 92 111;
 these are on old authority,
 or insufficient through the
 plant having been confused
 with *Oenanthe fluviatilis*, and
 perhaps also with *O. crocata*
 and *Phellandrium*.]

450 Apium

graveolens.

1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 13 Sussex west!
 14 east. Hall cat.
 15 Kent east!
 16 west!
 18 Essex south. Varenne ms.
 19 north. Varenne ms.
 20 Herts.
 21 Middlesex.
 25 Suff. east. Cooper sp.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 34 Gloster west! Thwaites sp.
 35 Monmouth. Watkins sp.
 37 Worcester? perhaps wild.
 39 Stafford? perhaps wild.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.

- 49 Carnarvon.
 50 Denbigh. Bowman cat.
 51 Flint! Bowman ms.
 52 Anglesea.
 53 Linc. south.
 54 north! Howitt ms.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 60 west. Syme sp.
 61 York s. east.
 62 n. east. Baker cat.
 66 Durham. Norman cat.
 67 Northumb. Storey cat.
 68 Cheviotl. Embleton cat.
 69 Westmoreland.
 70 Cumberland.
 74 Wigton. Balfour sp.
 75 Ayr. Duncan cat.
 01 Cantire. Balfour sp.
 04 Eb. north. Lawson cat.
 (7 8 20 22 23 26 30 31
 33 36 40 55 56 63 64
 83 85 87 92 95; all in-
 land localities for this much
 cultivated littoral plant
 must be regarded with sus-
 picion, unless certified on
 the safest authority).

452 *Petroselinum* *segetum*.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south! Goulding sp.
 4 north?
 5 Som. south. Coleman cat.
 6 north. Hort sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Rev. E.H. Fox sp.
 10 Wight! Bell Salter sp.
 11 Hants south. Bromf. ms.
 12 north.
 13 Sussex west. Borrer cat.
 14 east. Hall cat.
 15 Kent east. Smith cat.

- 16 Kent west. Farre sp.
 17 Surrey!
 18 Essex south. Varenne ms.
 19 north. Gibson sp.
 20 Herts. Isaac Brown sp.
 21 Middlesex. "Warren, 1869."
 22 Berks.
 23 Oxford.
 24 Bucks. Hurst ms.
 26 Suffolk west.
 27 Norfolk east.
 28 west. Wardale sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton.
 34 Gloster west. Thwaites cat.
 36 Hereford.
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford. Bloxam ms.
 45 Pembroke. Babington cat.
 54 Lincoln north!
 55 Leicester?
 61 York s. east.
 63 s. west.
 [103 "Dr. Walker"].

453 *Trinia* *vulgaris*.

- 3 Devon south. Woodward sp.
 6 Som. north. Crotch sp.
 34 Gloster west. Russell sp.
 [36 49 70; errors].

454 *Helosciadium* *nodiflorum*.

- Counties all, except 49 71 72
 75 86 to 98 103 to 112.
 Too plentiful in England to
 render the citation of coun-
 ties and authorities needful.
 And yet very local in North
 Britain; being limited appa-
 rently to its most southern
 counties, Fifeshire and

South-west Highlands. *Helosciadium repens* is recorded in many counties, from Cornwall to Fife; but usually it is only a small state of *nodiflorum* which is so named. See Comp. Cyb. Brit. page 519.

455 *Helosciadium inundatum*.

Counties all, except 5 6 32 33 35 41 49 51 60 71 72 84 86 88 97 99 104 107 108 110 112; in most of these it may have been overlooked. 106 Gordon cat. 109 Brown cat. 111 Neill's Tour; a record which should be confirmed.

456 *Sison*

Amomum.

2 Corn. east. Briggs cat.
3 Devon south. Briggs cat.
4 north!
5 Som. south. Coleman cat.
6 north! Thwaites cat.
7 Wilts north. Flower cat.
8 south. Flower cat.
9 Dorset. Pleydell cat.
10 Wight! Bromfield sp.
11 Hants south. Notcutt cat.
12 north!
13 Sussex west! Borrer cat.
14 east. Coleman cat.
15 Kent east! Smith cat.
16 west.
17 Surrey! Ellis ms.
18 Essex south.
19 north. Varenne cat.
20 Herts. Coleman sp.
21 Middlesex! Hind cat.
22 Berks! Miss Bell ms.
23 Oxford. Beesley cat.
24 Bucks. Britten cat.

25 Suffolk east. Bell sp.
26 west.
27 Norfolk east.
28 west.
29 Cambridge. Babington cat.
30 Bedford.
31 Hunts!
32 Northton! Notcutt cat.
33 Gloster east. Prentice cat.
34 west! Thwaites sp.
36 Hereford. Purchas cat.
37 Worcester.
38 Warwick. Kirk cat.
39 Stafford.
40 Salop. Bowman ms.
41 Glamorgan.
44 Carmarthen. Motley cat.
45 Pembroke. Babington cat.
49 Carnarvon.
50 Denbigh.
51 Flint. Gordon ms.
52 Anglesea.
53 Lincoln south. Bloxam ms.
54 north! Bogg cat.
55 Leicester. Bloxam cat.
56 Notts.
58 Chester! Warren cat.
61 York s. east.
63 s. west. Lees cat.
(66 [67] 81).

457 *Ægopodium*

Podagraria.

Counties all, except 45 49 51 52 60 69 71 97 106 107 108 110 112; with the usual nine. In many of the other counties it is indicated as appearing to be uncertainly indigenous; more especially so in those of North Britain.

459 *Carum*

verticillatum.

2 Corn. east. W. Wise sp.

- 8 Devon south?
 41 Glamorgan. Moggridge sp.
 42 Brecon.
 44 Carmarthen. Motley cat.
 45 Pembroke.
 46 Cardigan. Atwood sp.
 49 Carnarvon. Babington sp.
 70 Cumberland. Heysham ms.
 71 Isle of Man.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 74 Wigton. Balfour sp.
 75 Ayr. Duncan cat.
 76 Renfrew. Gourlie sp.
 98 Argyle.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. G. E. Hunt sp.
 01 Cantire. Balfour cat.

460 Carum**Bulbocastanum.**

- 20 Herts. Fordham sp.
 29 Cambridge. Coleman sp.
 30 Bedford. Coleman ms.
 [7 Wilts flo. 21 Flo. brit.]

461 Bunium**flexuosum.**

- Counties all, except 45 46 49 51
 53 80 86 97 98 101 107 110,
 with the usual nine; probably
 in all of these, unless 110.

462 Pimpinella**Saxifraga.**

- Counties all, except 60 71 97 98
 99 103 to 107 109 to 112.

463 Pimpinella**magna.**

- 1 Corn. west. "Oliver," 1869.
 2 east. Briggs ms.
 3 Devon south. Goulding sp.
 7 Wilts north. Prior ms.
 8 south.
 9 Dorset?

- 11 Hants south.
 12 north.
 14 Sussex east. Hall cat.
 15 Kent east! Stevens sp.
 16 west. Pamplin ms.
 17 Surrey Wood ms.
 18 Essex south.
 19 north.
 20 Herts. Coleman sp.
 21 Middlesex.
 23 Oxford.
 24 Bucks. Sandys sp.
 25 Suffolk east. Stock cat.
 26 west.
 28 Norfolk west. Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton Anderson ms.
 33 Gloster east. Prentice cat.
 34 west.
 36 Hereford.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop.
 54 Linc. south. Bloxam ms.
 54 north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester. Bickham sp.
 59 Lanc. south.
 61 York s. east.
 62 n. east. Leefe sp.
 63 s. west.
 64 m. west. Tatham cat.
 65 n. west.
 66 Durham.
 67 Northumberland.
 83 Edinburgh.
 87 Perth west. Dewar sp.

464 Sium**latifolium.**

- 3 Devon south. Tate ms. 1871.

- | | |
|---|------------------------------|
| 6 Som. north. Thwaites cat. | 9 Dorset. Pleydell cat. |
| 9 Dorset. Pleydell cat. | 10 Wight! More cat. |
| 11 Hants south. Morems. 1868. | 12 Hants north. |
| 13 Sussex west. Borrer cat. | 13 Sussex west! Borrer cat. |
| 15 Kent east. Smith cat. | 14 east. |
| 16 west. | 15 Kent east! Smith cat. |
| 17 Surrey! Wood ms. | 16 west! |
| 18 Essex south. | 17 Surrey! |
| 20 Herts. | 18 Essex south. |
| 21 Middlesex! | 19 north. Varenne cat. |
| 22 Berks. Britten cat. | 20 Herts. Coleman cat. |
| 23 Oxford. Fox sp. | 21 Middlesex! Hind cat. |
| 24 Bucks. Britten cat. | 22 Berks. Britten cat. |
| 25 Suffolk east. Stock cat. | 23 Oxford. Beesley cat. |
| 26 west. | 24 Bucks. Britten cat. |
| 27 Norf. east. Paget sp. | 25 Suffolk east. Stock cat. |
| 28 west. Miss Bell sp. | 26 west. |
| 29 Cambridge. Babington cat. | 27 Norf. east. |
| 30 Bedford. | 28 west. Notcutt cat. |
| 31 Hunts. Newbould cat. | 29 Cambridge. Babington cat. |
| 32 Northton! | 30 Bedford. |
| 33 Gloster east. | 31 Hunts! Newbould cat. |
| 37 Worcester. | 32 Northton! Notcutt cat. |
| 39 Stafford. | 33 Gloster east. |
| 40 Salop? "W. P. Brookes." | 34 west. Thwaites cat. |
| 52 Anglesea. | 36 Hereford. Purchas cat. |
| 54 Linc. north! Howitt sp. | 37 Worcester. |
| 56 Notts. | 38 Warwick. Kirk cat. |
| 61 York s. east. | 39 Stafford. Douglas cat. |
| 62 n. east. | 40 Salop. Leighton cat. |
| 66 Durham. Extinct. | 41 Glamorgan. |
| 68 Cheviotland. | 45 Pembroke. Purchas ms. |
| 75 Ayr. Duncan cat. | 51 Flint! |
| 82 Haddington? "Campbell." | 52 Anglesea. |
| 86 Stirling. Maughan sp. | 53 Linc. south! |
| [2 7 9 38 41 55 64 69 70;
insufficiently vouched]. | 54 north! Bogg cat. |
| | 55 Leicester. Bloxam cat. |
| | 56 Notts. |
| | 57 Derby. Howitt cat. |
| | 58 Chester! Warren cat. |
| | 59 Lanc. south. Webb cat. |
| | 60 west! |
| | 61 York s. east. |
| | 62 n. east. Baker cat. |
| | 63 s. west. Lees cat. |
| | 64 m. west. Tatham cat. |

465 *Sium**angustifolium.*

- | | |
|-----------------------------|--|
| 1 Corn. west. Cunnaack cat. | |
| 8 Devon south? | |
| 5 Som. south. Coleman cat. | |
| 6 north. Thwaites cat. | |
| 7 Wilts north. Flower cat. | |
| 8 south. Flower cat. | |

- 65 York n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 69 Westmoreland.
 70 Cumberland. Baker cat.
 72 Dumfries ?
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Syme sp.
 83 Edinburgh ! Balfour cat.
 85 Fife. Syme sp. 1870.
 87 Perth west.
 90 Forfar. Kerr to Croall sp.
 91 Kincardine. Dickson cat.
 93 Aber. north. Roy lre. 1872.
 95 Elgin. Gordon cat.
 [111 Neill, "common"].

466 Bupleurum
tenuissimum.

- 3 Devon south. Rev. W. Hore.
 5 Som. north.
 9 Dorset. Rev. H. E. Fox sp.
 10 Wight. Miss Twining sp.
 11 Hants south. Farre sp.
 13 Sussex west.
 14 east. Hall cat.
 15 Kent east. Stevens sp.
 18 Essex south.
 19 north. Varenne sp.
 21 Middlesex.
 25 Suffolk east.
 27 Norf. east. Henslow sp.
 28 west. Wardale sp.
 29 Cambridge. Babington cat.
 31 Hunts ?
 34 Gloster west. Thwaites sp.
 37 Worcester.
 54 Lincoln north.
 58 Chester. "Miss Grundy."
 60 Lanc. west. Syme sp.
 66 Durham.
 (17 Surrey, once seen).

467 Bupleurum
aristatum.

- 3 Devon south. Henslow sp.
 14 Sussex east. Bab. man. ed. 5.
 N.B. Destroyed on the Flag-
 staff Hill, but still found at
 Daddy's Hole, South Devon;
 Rev. T. F. Ravenshaw, 1871.

468 Bupleurum
falcatum.

- 17 Surrey. Brewer flo.
 18 Essex south. Christy sp.
 [58 Chester; error.]

469 Bupleurum
rotundifolium.

- 6 Som. north.
 7 Wilts north. A. Prior sp.
 8 south. Flower cat.
 9 Dorset. Extinct ?
 10 Wight. Bromfield ms.
 11 Hants south. Pamplin ms.
 12 north.
 13 Sussex west. Borrer cat. †
 14 east ?
 15 Kent east. Smith cat.
 16 west !
 17 Surrey. Salmon sp.
 18 Essex south.
 19 north.
 20 Herts. Fordham sp.
 21 Middlesex.
 22 Berks.
 23 Oxford.
 24 Bucks.
 25 Suffolk east.
 26 west.
 28 Norfolk west.
 29 Cambridge. Fordham sp.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Berkeley ms.
 33 Gloster east. Buckman sp.
 34 west. Thwaites cat.
 36 Hereford ?

- 37 Worcester.
- 38 Warwick. Bree ms.
- 53 Lincoln south.
- 55 Leicester. Howitt ms.
- 56 Notts. One locality.
- 61 York s. east.
- 62 n. east.
- 63 s. west.
- 64 m. west ?
- 65 n. west. Ward sp.
- 66 Durham. Norman cat.†
(59 on "railway banks"; and
scarcely better than a casual
in some other counties ?)

470 *Oenanthe* *fistulosa*.

- 1 Corn. west. Cunnack cat.
- 3 Devon south.
- 4 north.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south!
- 12 north.
- 13 Sussex west! Borrer cat.
- 14 east.
- 15 Kent east! Smith cat.
- 16 west.
- 17 Surrey! Barham sp.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks.
- 23 Oxford. Beesley flo.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west. Bab. ms.
- 27 Norfolk east. Cooper sp.
- 28 west. Bell sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.

- 31 Hunts! Newbould cat.
- 32 Northton!
- 33 Gloster east.
- 34 west. Thwaites cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 50 Denbigh.
- 51 Flint!
- 52 Anglesea.
- 53 Lincoln south!
- 54 north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 58 Chester! Warren cat.
- 59 Lanc. south! Webb cat.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 65 n. west. Ward cat.
- 66 Durham. Storey sp.
- 67 Northumberland.
- 68 Cheviotland.
"Lake district recorded."
- 72 Dumfries.
- 73 Kirkcudb. Lloyd ms.
- 75 Ayr.
- 81 Berwick.

[76 85 90 99; not verified
of late, and perhaps *Lachenalia*
was the species intended
in those counties.]

471 *Oenanthe* *pimpinelloides*.

- 3 Devon south. Goulding sp.
- 5 Som. south? Coleman cat.
- 6 north? Newb. 1852
- 9 Dorset. Mrs. Wyndham sp.
- 10 Wight! Bromfield sp.
- 11 Hants south. Notcutt ms.
- 13 Sussex west. Gibson sp.

- 14 Sussex east! Hall cat.
 19 Essex north. Varenne sp.
 33 Gloster east. Buckman sp.
 34 west. Lees sp.
 37 Worcester. Lees sp.
 N.B. By name this is recorded
 for many other counties, but
 the species really intended
 was *Lachenalii*.

471 Oenanthe
Lachenalii.

- 1 Corn. west!
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw sp.
 5 Som. south. Coleman cat.
 6 north! Christy sp.
 7 Wilts north. Flower cat.
 9 Dorset. Bromfield sp.
 10 Wight!
 11 Hants south. Notcutt cat.
 13 Sussex west! Borrer cat.
 14 east. Mill sp.
 15 Kent east! Buckland sp.
 18 Essex south.
 19 north. Varenne ms.
 20 Herts. Fordham sp.
 21 Middlesex!
 25 Suffolk east. Stock cat.
 26 west. Bab. ms.
 27 Norfolk east. Fitt sp.
 28 west. Bell sp.
 29 Cambridge. Gibson sp.
 31 Hunts. Newbould cat.
 34 Gloster west. Thwaites sp.
 36 Hereford. Purchas sp.
 37 Worcester. Lees sp.
 41 Glamorgan. Lees sp.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan.
 49 Carnarvon. Bowman sp.
 50 Denbigh. Bowman cat.
 52 Anglesea. Bowman sp.
 54 Lincoln north!

- 55 Leicester. Bloxam sp.
 56 Notts. Mitchell sp.
 58 Chester! Warren cat.
 59 Lanc. south. Tudor ms.
 60 west! Rylands sp.
 61 York s. east. Syme sp.
 62 n. east.
 63 s. west. O. Moore sp.
 65 n. west.
 66 Durham. Bowman sp.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 70 Cumberland. Heysham sp.
 71 Man. Forbes cat.
 72 Dumfries.
 73 Kirkeudbright.
 74 Wigton. Balfour sp.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 82 Haddington. Balfour sp.
 98 Argyle.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour sp.
 02 Eb. south. Balfour cat.
 03 mid?—[17 22].
 N.B. Old records for so-called
 "*pimpinelloides*" have been
 taken as truly intending the
 species now understood to be
Lachenalii.

472 Oenanthe
silatifolia.

- 9 Dorset. Pleydell sp.
 13 Sussex west. "Winch herb."
 14 east. Borrer cat. co.
 15 Kent east. Syme sp.
 17 Surrey. Mill sp. Salmon sp.
 22 Berks! "Newb. Dyer."
 23 Oxford.
 24 Bucks.
 26 Suffolk west.
 27 Norfolk east?
 28 west?
 29 Cambridge. Lemann sp.

- 30 Bedford. Sm. Herb.
- 31 Hunts. Newbould ms.
- 33 Gloster east. Lees sp.
- 36 Hereford. Purchas sp.
- 37 Worcester. Lees sp.
- 38 Warwick. Bree ms.
- 55 Leicester. Bloxam sp.
- 56 Notts.

N.B. In several other counties, from Devon to Northumberland, on faith of records or manuscript reports; but this species having been much confused with *Lachenalii* and even *fistulosa*, a selection only of the least unlikely or best certified counties is made above.

473 *Oenanthe*

crocata.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north!
- 5 Som. south. Coleman cat.
- 4 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south!
- 12 north!
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 20 Herts. ;
- 21 Middlesex.
- 22 Berks! Miss Bell sp.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 27 Norfolk east.

- 34 Gloster west. Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Shaw sp.
- 37 Worcester. Lees sp.
- 39 Stafford.
- 40 Salop. Dr. Lloyd sp.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Atwood ms.
- 49 Carnarvon!
- 50 Denbigh! Bowman cat.
- 52 Anglesea.
- 53 Lincoln south!
- 54 north!
- 58 Chester! Warren cat.
- 59 Lanc. south. Webb cat.
- 62 York n. east.
- 63 s. west.
- 64 m. west. Tatham cat.
- 65 n. west.
- 66 Durham. Baker sp.
- 67 Northumb. Bowman sp.
- 68 Cheviotl. Embleton cat.
- 69 Westmoreland!
- 70 Cumberland! Baker cat.
- 71 Man. James Macnab ms.
- 72 Dumfries. Gray cat.
- 73 Kirkcudbright. Syme sp.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.
- 77 Lanark. Hennedy cat.
- 80 Roxburgh. Duncan cat.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh. Balfour cat.
- 85 Fife.
- 87 Perth west!
- 89 east! Syme sp.
- 90 Forfar.
- 91 Kincardine.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 95 Elgin. Gordon cat.
- 98 Argyle.
- 99 Dunbarton! Hooker sp.

- 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Stables sp.
 04 north. Lawson cat.

474 *Oenanthe* *Phellandrium*.

- 3 Devon south?
 5 Som. south. Collins ms.
 6 north. Collins ms.
 9 Dorset. Pleydell cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east. Paget sp.
 28 west. Wardale sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton! Anderson ms.
 33 Gloster.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick. Bloxam ms.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 50 Denbigh. Bowman cat.
 53 Linc. south!
 54 north! Bogg cat.
 55 Leicester. Howitt sp.
 56 Notts.
 57 Derby. Bloxam ms.
 58 Chester. Bickham sp.

- 59 Lanc. south. Webb cat.
 60 Lanc. west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Leefe sp.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 70 Cumberland? "Winch."
 81 Berwick.
 82 Haddington.
 83 Edinburgh. Maughan sp.
 [9 97 99; misnomers?]

474 *Oenanthe* *fluviatilis*.

- 6 Som. north. Withers sp.
 7 Wilts north. Flower ms.
 8 south.
 9 Dorset. Pleydell cat.
 11 Hants south. Borrer ms.
 12 north. Bromf. ms.
 15 Kent east. "Borrer."
 17 Surrey!
 18 Essex south. Varenne ms.
 19 north. Bentall sp.
 20 Herts.
 21 Middlesex! Godley sp.
 22 Berks. Boswell Syme sp.
 23 Oxford. Rev. H. E. Fox sp.
 24 Bucks.
 25 Suffolk east. Coleman sp.
 29 Cambridge. Babington cat.
 30 Bedford. Newbould ms.
 31 Hunts. Newbould cat.
 32 Northton!
 34 Gloster west. Purchas ms.
 38 Warwick. Bromwich sp.
 55 Leicester. Bloxam cat.

475 *Æthusa* *Cynapium*.

- Counties all, except 46 49 71
 73 84 86 88 89 96 to 99 101
 to 110 (111) 112. Common

in England. Rare in North Britain; and regarded as an introduced weed there by Professor Dickie and the Rev. Dr. Gordon.

**476 *Fœniculum*
vulgare.**

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.†
- 3 Devon south! Briggs cat.†
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north. Collins ms.
- 9 Dorset. Pleydell cat.†
- 10 Wight. More cat.* Bromf.†
- 11 Hants south. Bromfield.†
- 14 Sussex east. Borrer ms.†
- 15 Kent east! Smith cat.
- 18 Essex south. "indigenous."
- 19 north. Gibson flo.
- 25 Suff. east. Miss Bell ms.
- 27 Norf. east. Trimmer flo.
- 28 west. Trimmer flo.
- 34 Gloster west! Thwaites cat.
- 35 Monmouth. Conway cat.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 48 Merioneth. Bowman ms.
- 49 Carnarvon. Bowman ms.
- 52 Anglesea. Welsh Bot.
- 54 Linc. north. Bogg cat.†
- 58 Chester. Liverpool flo.*
- 59 Lanc. south. Webb cat.*
- 62 York n. east. Baker cat.*
- 66 Durham. "ballast hills."
- 67 Northumb. "ballast hills."
- 71 Man. Forbes cat.†
- 83 Edinburgh. Balf. flo.*

[90 Forfar. Don in G. flo.]

N.B. Rejecting at once the many inland counties, in which this much cultivated herb has been reported, it is here traced along the coast counties only, with the two

signs († *) to shew the opinions on its nativity or other such indications afforded by the authorities quoted.

**477 *Seseli*, or
Athamanta
Libanotis.**

- 14 Sussex east. Coleman sp.
- 20 Herts. Fordham sp.
- 29 Cambridge. Bromfield sp.
[24 Bucks; Huds.].

**478 *Ligusticum*
scoticum.**

- 68 Cheviot. Embleton sp.
- 75 Ayr. Veronge sp.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh. Balfour cat.
- 85 Fife!
- 90 Forfar. Croall sp.
- 91 Kincardine. Syme cat.
- 93 Aber. north. Dickie flo.
- 94 Banff. Stables sp.
- 95 Elgin. Gordon cat.
- 97 Westerness. Ch. Bab. sp.
- 00 Clyde-isles. Hennedy cat.
- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour cat.
- 03 mid. Ch. Bab. ms.
- 04 north. Lawson cat.
- 09 Caithness. Gordon ms.
- 10 Hebrides.
- 11 Orkney. Syme cat.
- 12 Shetland. Tate sp.

**478 *Silau*
pratensis.**

- 3 Devon south. Briggs cat.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! Bromfield sp.

- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey! Ellis ms.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex! Harris sp.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west. Bell sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts! Newbould cat.
- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 35 Monmouth. Ch. Bab. ms.
- 36 Hereford. Shawe sp.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 42 Brecon.
- 50 Denbigh. Bowman cat.
- 54 Lincoln north! Bogg cat.
- 55 Leicester. Ch. Bab. sp.
- 56 Notts.
- 57 Derby! Howitt cat.
- 58 Chester. Warren cat.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Tatham cat.
- 65 n. west. Ward cat.
- 66 Durham. Storey sp.
- 67 Northumberland.
- 68 Cheviot. Embleton cat.

- 69 Westmoreland!
- 70 Cumberland. Baker cat.
- 80 Roxburgh. Duncan cat.
- 81 Berwick.
- 82 Haddington.
- 83 Edinburgh! Lloyd sp.
- 85 Fife.

480 Meum athamanticum.

- 48 Merioneth. Price sp.
- 59 Lanc. south.
- 63 York s. west. Leyland sp.
- 64 m. west. Error?
- 65 n. west. Pinder ms.
- 67 Northumb. Makepeace sp.
- 69 Westmoreland! Pinder ms.
- 70 Cumberland. Baker cat.
- 72 Dumfries.
- 73 Kirkeudbright. Gordon ms.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Balfour sp.
- 77 Lanark. Henedy cat.
- 83 Edinburgh.
- 84 Linlithgow.
- 85 Fife.
- 87 Perth west. Syme sp.
- 88 mid.
- 89 east!
- 90 Forfar!
- 91 Kincardine.
- 92 Aber. south! Dickie cat.
- 96 Easterness.
- 99 Dunbarton.
- [3 Devon; "Bartlett"].

481 Crithmum maritimum.

- 1 Corn. west! Cunnack cat.
- 2 east. Pascoe sp.
- 3 Devon south! Briggs cat.
- 4 north. Maw ms.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.

- 11 Hants south.
- 13 Sussex west. Borrer cat. co.
- 14 east. Hall cat.
- 15 Kent east! Smith cat.
- 41 Glamorgan. Hardy sp.
- 44 Carmarthen. Motley ms.
- 45 Pembroke. Babington cat.
- 46 Cardigan.
- 48 Merioneth.
- 49 Carnarvon.
- 52 Anglesea. Bowman ms.
- 69 Westmorl. Gibson ms.
- 70 Cumberland.
- 71 Man. J. Macnab ms.
- 73 Kirkeudbright. Syme sp.
- 74 Wigton. Balfour sp.
- 75 Ayr. Duncan cat.

[27 59 83 or 85; extinct or erroneously recorded; the name of 'samphire' is occasionally given to the *Salicornia*].

482 *Angelica sylvestris*.

Counties all, except 49 71 86 98 107, with the usual nine; but doubtless it does occur in every county.

483 *Peucedanum officinale*.

- 15 Kent east. Cowell sp.
 - 19 Essex north. Greenwood sp.
- [13 27 56; errors arising from the *Oenanthe Lachenalii* being thus misnamed?]

484 *Peucedanum palustre*.

- 6 Som. north. Clark sp.
- 18 Essex south? "J. Ray."
- 25 Suff. east. Paget sp.
- 26 west. Bunbury sp.
- 27 Norfolk east. Winter sp.
- 29 Cambridge. J. Ray sp.

- 31 Hunts. Newbould cat.
 - 53 Linc. south.
 - 56 Notts? One locality.
 - 63 York s. west. O. A. Moore sp.
- [36 59 61 69 76 83].

486 *Pastinaca sativa*.

- 1 Corn. west. Cunnack cat.†
- 2 east. Briggs cat.†
- 3 Devon south! Briggs cat.
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Noteutt cat.
- 12 north!
- 13 Sussex west!
- 14 east! Borrer cat. co.
- 15 Kent east! Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Purchas ms.
- 26 west. Bab. ms.
- 27 Norfolk east.
- 28 west. Bell sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts! Newbould cat.
- 32 Northton. Noteutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 36 Hereford.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford.

- 40 Salop.
 41 Glamorgan. Barnard ms.†
 44 Carmarthen.
 45 Pembroke.
 55 Leicester. Bloxam sp.
 56 Notts. Howitt sp.
 58 Chester. Warren flo.
 59 Lanc. south. Webb cat.
 60 west. Syme sp.
 62 York n. east. Baker cat.†
 63 s. west. Lees cat.†
 64 m. west. "native."
 65 n. west. "native."
 66 Durham. "prob. indigen."
 (54 62 67 68 75 100; dubi-
 ously indigenous also in
 Wales, Cornwall and else-
 where).

487 Heracleum**Sphondylium.**

Counties all, except 46 49 98.

488 Tordylium**maximum.**

- 21 Middlesex. Castle sp.
 23 Oxford. Extinct everywhere?
 24 Bucks. Britten cat. "v. s."
 [33 Buckman, B. G. C.].

489 Daucus**Carota.**

Counties all, except 86 to 89
 94 97 98 99 107 111; and
 marked as uncertainly na-
 tive in the catalogues for
 Elgin, Nairn, and Caithness.
 Abundant in Shetland, ac-
 cording to Edmonston's
 Flora.

490 Daucus**maritimus.****gummifer.**

- 1 Corn. west! Curnow sp.
 2 east. Banker sp.

- 3 Devon south. Briggs cat.
 4 north. Maw cat.
 5 Som. north. Collins ms.
 9 Dorset. "variety of D. C."
 10 Wight? Bromfield ms.
 14 Sussex east. Bromfield.
 15 Kent east. Smith cat.
 41 Glamorgan. Dillwyn.
 52 Anglesea. Bowman ms.
 [58 59 66 (80) 98 104; certain
 in the Peninsula, scarcely so
 elsewhere; but Withering's
 plant appears to be simply a
 maritime form of Carota].

491 Caulalis**daucoides.**

- 6 Som. north. Withers ms.
 7 Wilts north. Flower cat.
 9 Dorset. Pleydell cat.
 12 Hants north.
 16 Kent west. Bossy sp.
 17 Surrey. Brewer sp.
 18 Essex south.
 19 north.
 20 Herts. Fordham sp.
 22 Berks.
 23 Oxford.
 25 Suffolk east?
 26 west.
 28 Norfolk west. "rare."
 29 Cambridge. Coleman sp.
 30 Bedford. Isaac Brown sp.
 32 Northton. Berkeley ms.
 53 Lincoln south. Bloxam sp.
 62 York n. east. "colonist."
 63 s. west.
 64 m. west. Hebblethwate.
 65 n. west. "colonist."
 66 Durham. Norman cat.
 (37 or 38 casual, extinct?)

492 Caulalis**latifolia.**

- 5 Som. south. Queckett sp.
 6 north. Collins ms.

- 20 Herts. Single locality.
 29 Camb. "Lemann 1833."
 30 Bedford. Two localities.
 34 Gloster. Flower sp.† 1870.
 44 Carmarthen. Three spns.
 (11 19 39 or 57, casual and
 extinct, if not erroneous).
 Scarcely better than a casual
 in any county.

493 Torilis**Anthriscus.**

- Counties all, except 71 97
 106 to 112, with the usual
 nine.

494 Torilis**infesta.**

- 3 Devon south.
 6 Som. north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south. Notcutt cat.
 12 north!
 13 Sussex west! Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey! Luxford sp.
 18 Essex south.
 19 north. Christy sp.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west. Bab. ms.
 27 Norfolk east.
 28 west. Miss Bell sp.
 29 Cambridge. Babington sp.
 30 Bedford.
 31 Hunts! Newbould cat.
 33 Gloster east. Prentice cat.

- 34 Gloster west! Thwaites sp.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Tyler sp.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 49 Carnarvon. Bowman ms.
 53 Linc. south! Bloxam ms.
 54 north!
 55 Leicester.
 56 Notts.
 75 Derby. Howitt cat.
 58 Chester.
 59 Lanc. south. Tudor ms.
 62 York n. east. Baker cat.
 63 s. west.
 64 m. west.
 65 n. west. Baker sp.
 [75 83 98; possibly seen as
 casuals in these three coun-
 ties; more likely erroneous].

495 Torilis**nodosa.**

- 1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west! Borrer cat. co.
 14 east! Hall cat.
 15 Kent east! Smith cat.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.

21 Middlesex!
 22 Berks!
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west. Bab. ms.
 27 Norfolk east.
 28 west. Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton! Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 36 Hereford. Purchas ms.
 37 Worcester. Bagnall ms.
 38 Warwick. Bree ms.
 39 Stafford.
 40 Salop.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 53 Linc. south! Bloxam ms.
 54 north! Bogg cat.
 55 Leicester. Howitt sp.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 70 Cumberland.
 71 Man. Forbes cat.
 81 Berwick.
 83 Edinburgh. Brand sp.
 85 Fife. Boswell Syme sp.
 90 Forfar. "Mr. Croall."

94 Banff. "Mr. Bissett!"

496 Scandix

Pecten Veneris.

Counties all, except 49 51 60
 69 71 72 73 86 87 88 97 to
 105 107 108 110 (111) 112.
 Introduced in Moray; Coll.
 Mor.

497 Anthriscus

vulgaris.

1 Corn. west. Cunnack cat.
 2 east.
 3 Devon south. Briggs sp.†
 4 north!
 5 Som. south. Coleman cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south.
 13 Sussex west! Borrer cat.†
 14 east. Bor. cat. co.
 15 Kent east. Smith cat.
 16 west. Holman sp.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east. Cooper sp.
 28 west. Wardale sp.
 29 Cambridge. Harris sp.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 38 Warwick. Kirk cat.
 39 Stafford.

- 40 Salop. Leighton cat.
 41 Glamorgan. Barnard ms.
 44 Carmarthen. Motley cat.
 50 Denbigh! Bowman cat.
 52 Anglesea.
 55 Leicester. Bloxam ms.
 56 Notts.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 62 York n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west.
 66 Durham. Storey sp.
 67 Northumberland.
 68 Cheviot. Embleton sp.
 70 Cumberland?
 75 Ayr. Duncan cat.†
 77 Lanark. "Very rare"; C. flo.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. Boswell Syme sp.
 87 Perth west. Syme cat.
 90 Forfar. "frequent."
 91 Kinc. Mrs. Dickson ms.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 95 Elgin. Gordon cat.
 96 Easternness. Stables cat.
 97 Suth. east! Introduced?
 [112 "abundant"; Ed. flo.].

**498 Anthriscus
 sylvestris.**

Counties all, except 35 46 71
 72 73 80 97 106 109; doubt-
 less to be found in all.

**500 Chærophyllum
 temulentum.**

Counties all, except 46 96 97
 101 to 105 107 108 110 111
 112. 106 Gordon, Ross cat.
 109 Brown, Caithness cat.

**501 Myrrhis
 odorata.**

- 35 Monmouth. Conway cat.
 36 Hereford. Purchas flo.
 37 Worcester. Ballard.
 38 Warwick. Bree ms.
 39 Stafford. James Carter.
 40 Salop. Bidwell sp.
 41 Glamorgan. Dyke sp.
 46 Cardigan. Eng. Flora.
 48 Merioneth. "John Jones."
 50 Denbigh. Bowman ms.
 51 Flint. Griffith in B. G.
 52 Anglesea. Welch Bot.
 55 Leicester. Coleman list.*
 56 Notts. Howitt flo. 1 loc.
 57 Derby! Howitt cat.
 58 Chester. Warren flo.
 59 Lanc. south. Webb cat.†
 61 York s. east. Authority?
 62 n. east. Baker cat.
 63 s. west. Leyland sp.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviotland. Tate cat.
 69 Westmoreland.† D. Turner.
 70 Cumberland! Baker.†
 71 Man. Forbes cat. "scarce."
 72 Dumfries. Dr. Burgess.†
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Henedy cat.
 80 Roxburgh. Border flo.
 81 Berwick. Border flo.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. Balf. flo. Syme sp.†
 86 Stirling.
 87 Perth west.
 88 mid.*
 89 east.*
 90 Forfar. Gardiner flo.

91 Kinc. Mrs Dickson cat.
 92 Aber. south. Dickie cat.*
 94 Banff. Dickie Guide.*
 95 Elgin. Gordon cat.*
 96 Easterness. Stables cat.*
 99 Dunbarton. Glot. flo.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 06 Ross east. Gordon cat.
 09 Caithness. Brown cat.
 10 Hebrides. Balf. Bab. cat.
 N.B. Finding it impossible clearly to distinguish the counties in which this plant should be deemed truly indigenous, from those in which it occurs under more doubtful conditions, recourse is again made to the plan of enumerating all the recorded counties shewn by my notes ; those of the first four provinces excepted. The two signs of doubted nativity (†*) are used to indicate less or more suspicion against nativity, on the part of the authorities so quoted. Mr. Baker, in the 'Botany of North Yorkshire' and in the 'New Flora of Northumberland and Durham' gives the plant positively as a "native" in those counties. Balfour and Sadler, in the 'Flora of Edinburgh,' treat it as an unquestioned native of the Forth counties. In the 'Clydesdale Flora' Professor Hennedy indirectly suggests some apparent suspicion to the contrary, by the words "near villages" and "formerly cultivated ;" two remarks suggestive of some uncertainty.

503 *Viscum**album.*

3 Devon south. Planted ?
 5 Som. south. Collins ms.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 9 Dorset. Pleydell cat.
 11 Hants south.
 12 north.
 14 Sussex east. Coleman cat.
 15 Kent east. Smith cat.
 16 west
 17 Surrey. Winch ms.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suff. east. Stock cat.
 26 west. Cooper sp.
 27 Norf. east.
 28 west. Woodward ms.
 29 Cambridge.
 30 Bedford.
 32 Northton. Berkeley ms.
 33 Gloster east.
 34 west. Christy sp.
 35 Monmouth. Ch. Bab. ms.
 36 Hereford. G. Macnab sp.
 37 Worcester.
 38 Warwick. Bagnall ms.
 39 Stafford. Ch. Bab. ms.
 40 Salop. Leighton cat.
 50 Denbigh. Bowman sp.
 55 Leicester.
 56 Notts. "frequent."
 57 Derby. Howitt sp.
 58 Chester. Warren flo ?
 64 York m. west.
 (1 2 8 10 [52] 59 61 62 63
 63 66 67 68 89 90).

504 *Sambucus**nigra.*

Counties all, except 46 84 89
 97 98 99 (106) 107 108 (109)
 110 (111) 112. Catalogued
 as if indigenous in the West
 Highlands, by Professors
 Lawson, Balfour, and Hen-
 nedy. In the East High-
 lands it is noted only as an
 introduced shrub by Dr.
 Boswell Syme, Prof. Dickie,
 and the Rev. Dr. Gordon.

505 Sambucus

Ebulus.

3 Devon south. Briggs sp.†
 6 Som. north.
 7 Wilts north. Flower cat.
 8 south.
 9 Dorset. Pleydell cat.
 10 Wight.
 11 Hants south.
 12 north. Pamplin ms.
 13 Sussex west. Borrer cat.
 15 Kent east. Stevens sp.
 16 west.
 17 Surrey. Wood ms.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts.
 21 Middlesex.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford. "common."
 31 Hunts.
 32 Northton. Berkeley ms.
 33 Gloster east. Roberts ms.
 34 west. Thwaites sp.
 35 Monmouth. Conway cat.
 36 Hereford. Shawe sp.
 37 Worcester.

38 Warwick. Bagnall ms.
 39 Stafford! Ch. Bab. ms.†
 40 Salop.
 41 Glamorgan.
 45 Pembroke. Babington cat.
 48 Merioneth. Pamplin ms.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 52 Anglesea. Robinson cat.
 55 Leicester. Bloxam ms.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester.
 59 Lanc. south.
 61 York s. east.
 62 n. east. "indigenous."
 63 s. west. Leyland ms.†
 64 m. west. Lees cat.
 65 n. west. "indigen."
 66 Durham. Bowman sp.
 67 Northumberland. "den."
 68 Cheviotland. "denizen."
 69 Westmoreland.
 70 Cumberland.
 72 Dumfries. Gray cat.
 73 Kirkeudbright. Lloyd ms.
 75 Ayr. Duncan cat.
 77 Lanark. Hooker sp.
 80 Roxburgh.
 81 Berwick. Border flo.
 83 Edinburgh. Balfour cat.*
 85 Fife. Lloyd sp. Ed. flo.
 88 Perth mid.
 89 east.
 90 Forfar.
 91 Kincardine. Syme cat.†
 92 Aber. south. Dickie cat.
 93 north. Dickie Guide.
 94 Banff. Dickie Guide.
 (95 96 106 Gordon*). [1].
 I have not seen this even
 quasi-wild except in one
 spot in Fife; and there I sup-
 posed it an introduced plant
 originally. Held native by
 many botanists.

506 Viburnum

Opulus.

- | | |
|---|--|
| <p>2 Corn. east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norf. east. Paget sp.
 28 west. Cooper sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan. Barnard ms.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon! Robinson cat.
 50 Denbigh. Bowman cat.</p> | <p>51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 53 Linc. south!
 54 north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south! Webb cat.
 60 west!
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham sp.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton sp.†
 69 Westmoreland!
 70 Cumberland! Baker cat.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 70 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Ed. flo.†
 83 Edinburgh. Balfour cat.†
 85 Fife. Syme cat.† Ed. flo.†
 87 Perth west. Edinb. flo.†
 88 mid!
 90 Forfar. "probably planted."
 91 Kincardine.
 92 Aber. south. "reported."
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness! Stables cat.
 99 Dunbarton. Hooker sp.
 02 Eb. south. Balfour cat.†
 04 north. Lawson cat.
 06 Ross east. Gordon cat.
 N. B. Frequent in England.
 Rare in North Britain, if not
 so throughout Scotland; and
 usually reported as uncer-</p> |
|---|--|

tainly indigenous there.

507 Viburnum

Lantana.

- 1 Corn. west ?
- 2 east ?
- 3 Devon south. Briggs ms.
- 5 Som. south. Coleman cat.
- 6 north ! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight ! More cat.
- 11 Hants south.
- 12 north !
- 13 Sussex west. Borrer cat.
- 14 east. Hall cat.
- 15 Kent east. Smith cat.
- 16 west !
- 17 Surrey ! Salmon sp.
- 18 Essex south. Varenne ms.
- 19 north. Varenne ms.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks. Miss Bell ms.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west. Bell sp.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Leefe sp.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton ! Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west ! Thwaites cat.
- 36 Hereford. "Wilmott."
- 37 Worcester.
- 38 Warwick. Bloxam ms.†
- 41 Glamorgan ? Barnard ms.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 55 Leicester.
- 56 Notts. "rare."
- 63 York s. west.

(62 64 66 67 68 75 76 77 81
83 90. Dunglass Glen).

508 Lonicera

Periclymenum.

Counties all, except 41 86 98 107,
with the usual nine others.

511 Linnæa

borealis.

- 67 Northumb. Introduced ?
- 81 Berwick.
- 83 Edinburgh. Graham sp.
- 88 Perth mid !
- 89 east ?
- 90 Forfar !
- 91 Kincardine. Syme cat.
- 92 Aber. south. Dickie cat.
- 94 Banff.
- 95 Elgin. Gordon sp.
- 96 Easterness. "Lord Cawdor."
- 06 Ross east. Gordon cat.

512 Rubia

peregrina.

- 1 Corn. west. Cunnack cat.
 - 2 east. Briggs cat.
 - 3 Devon south. Briggs cat.
 - 4 north ! Maw cat.
 - 5 Som. south. Coleman cat.
 - 6 north. Thwaites sp.
 - 9 Dorset. Pleydell cat.
 - 10 Wight ! More cat.
 - 13 Sussex west ! Borrer ms.
 - 14 east.
 - 15 Kent east. Smith cat.
 - 34 Gloster west ! Thwaites sp.
 - 35 Monmouth. Stables sp.
 - 36 Hereford. Purchas cat.
 - 41 Glamorgan.
 - 45 Pembroke. Stables sp.
 - 46 Cardigan.
 - 48 Merioneth.
 - 49 Carnarvon ! Bidwell sp.
 - 52 Anglesea ! Robinson cat.
- [22 29 70 102].

513 Galium**verum.**

Counties all, except 47 98, with the usual nine others; doubtless occurs in every county.

514 Galium**cruciatum.**

Counties all, except 2 46 52 92 96 to 98 101 to 109 111 112. Very dubious from 92 to 95. Mr. Roy found *Asperula taurina* in the Banffshire locality (93) reported for this plant, and there as an escape from the Manse garden. Balfour and Babington report it seen by themselves in the Hebrides, a habitat far to the north-west of any other reliable one.

515 Galium**palustre.**

Counties all, except 46 49 and the nine others; doubtless to be found in all. *Galium elongatum* reported in 1 3 10 17 18 19 21 22 29 38 56 58 59 62 66 67 68. *G. Witheringii* reported in forty counties.

516 Galium**uliginosum.**

1 Corn. west. Cunnack cat.
2 east.
3 Devon south.
5 Som. south. Coleman cat.
6 north.
7 Wilts north. Flower cat.
8 south. Flower cat.
9 Dorset. Pleydell cat.
10 Wight. More cat.

12 Hants north!

13 Sussex west. Borrer cat.

14 east.

15 Kent east! Smith cat.

17 Surrey!

18 Essex south.

19 north. Varenne cat.

20 Herts. Coleman cat.

21 Middlesex. Hind cat.

22 Berks.

23 Oxford. Beesley cat.

24 Bucks. Britten cat.

25 Suffolk east. Stock cat.

26 west. Bab. cat.

27 Norfolk east.

28 west.

29 Cambridge. Babington cat.

30 Bedford.

32 Northton. Notcutt cat.

33 Gloster east.

35 Monmouth. Conway cat.

36 Hereford. Purchas cat.

37 Worcester.

38 Warwick. Kirk cat.

39 Stafford.

40 Salop. Leighton cat.

41 Glamorgan.

45 Pembroke?

49 Carnarvon. Robinson cat.

50 Denbigh. Bowman cat.

51 Flint. Robinson cat.

52 Anglesea. Robinson cat.

55 Leicester.

56 Notts.

57 Derby. Howitt cat.

58 Chester. Warren cat.

59 Lanc. south. Webb cat.

61 York s. east.

62 n. east. Baker cat.

63 s. west. Lees cat.

64 m. west. Lees cat.

65 n. west. Ward cat.

66 Durham.

67 Northumb. Makepeace sp.

68 Cheviot. Embleton cat.

69 Westmoreland!

- 70 Cumberland. Baker cat.
 75 Ayr.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 81 Berwick.
 83 Edinburgh. Lloyd sp.
 85 Fife. Syme cat.
 87 Perth west. Syme cat.
 88 mid. Worsley cat.
 90 Forfar.
 91 Kincardine.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 98 Argyle.
 99 Dunbarton.
 00 Clyde-isles. Hennedy cat.
 04 Eb. north. Lawson cat.
 09 Caithness. Brown cat.

N.B. Perhaps this is occasionally confused with *G. palustre*. Edmonston gives it as "frequent" in Shetland, and it is given also in Lowe's list for Orkney; these habitats need to be verified by safer botanists. I have not seen specimens from North Britain; but the species is amply certified there.

517 Galium

saxatile.

Counties all, except 31 46 60 86. Possibly no 31, Huntingdon, may be a true exception.

518 Galium

erectum.

- 9 Dorset. Mansel-Pleydell sp.
 12 Hants north?
 13 Sussex west. Christy sp.
 14 east. Coleman cat.
 15 Kent east. Trevelyan sp.
 17 Surrey. Brewer sp.

- 18 Essex south.
 19 north. Neville sp.
 23 Oxford.
 27 Norfolk east.
 29 Cambridge. Babington cat.
 30 Bedford. D. Turner ms.
 38 Warwick. Kirk sp.
 56 Notts. Mrs. Russell ms.
 57 Derby. Howitt cat.
 62 York n. east. Baker sp.
 [2 3 6 7 8 10 28 32 34
 37 39 55 61 64 81 83 90
 106; insufficiently vouched].
 Some of those counties possibly correct; but it is a difficult species, and one not clearly understood by myself.

519 Galium

Mollugo.

- 1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 12 north.
 13 Sussex west! Borrer cat.
 14 east! Coleman cat.
 15 Kent east! Smith cat.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne sp.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas ms.

- 26 Suffolk west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton! Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Watkins sp.
 36 Hereford. Purchas cat.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford!
 40 Salop.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 51 Flint. Robinson cat.
 53 Lincoln south!
 54 north!
 55 Leicester. Coleman ms.
 56 Notts.
 57 Derby. Bickham sp.
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Tatham sp.
 65 n. west. Ward cat.
 66 Durham.
 67 Northumb. Bowman cat.
 68 Cheviotland.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 75 Ayr. Duncan cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh.
 81 Berwick.
 82 Haddington. Balfour sp.
 83 Edinburgh. Balfour cat.
 84 Linlithgow.
 87 Perth west!
 89 east!
 (90 91 92 94 95, as a dis-
 trusted native.)

520 *Galium**sylvestre.*

- 6 Som. north. Hort sp.
 9 Dorset. Pleydell sp. 1868.
 34 Gloster west. Borrer ms.
 35 Monmouth. Conway cat.
 39 Stafford.
 57 Derby! Purchas sp.
 64 York m. west. Baker sp.
 65 n. west. Ward sp.
 66 Durham. "Foggitt sp."
 68 Cheviotland.
 69 Westmoreland! Oliver sp.
 70 Cumberland.
 78 Peebles. "Blackie."
 80 Roxburgh.
 83 Edinburgh. Maughan sp.
 86 Stirling.
 87 Perth west! Syme sp.
 90 Forfar!
 11 Orkney. Syme ms.
 [1 or 2 30 37 50 59; coun-
 ties insufficiently vouched].

521 *Galium**anglicum.*

- 6 Som. north?
 14 Sussex east?
 15 Kent east. Smith cat.
 16 west. Pamplin.
 19 Essex north. Varenne ms.
 20 Herts. Blow ms. Webb supp.
 25 Suffolk east.
 26 west. Babington sp.
 27 Norfolk east.
 28 west. Gibson sp.
 29 Cambridge. Babington cat.
 [21 33 38 39 44 58 61
 80; records insufficiently
 vouched].

522 *Galium**tricorn.*

- Som. Collins ms. Poole ms.
 7 Wilts north. Flower cat.
 8 south. Flower cat.

- 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south?
 12 north.
 13 Sussex west. Borrer cat.
 14 east! Hall cat.
 15 Kent east! Smith cat.
 16 west.
 17 Surrey! Brewer sp.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman sp.
 22 Berks.
 23 Oxford.
 25 Suffolk east.
 26 west. Bab. ms.
 28 Norfolk west.
 29 Cambridge. Babington cat.
 30 Bedford. Brown sp.
 31 Hunts. Newbould cat.
 32 Northton.
 33 Gloster east.
 34 west. Thwaites sp.
 37 Worcester. Lees sp.
 38 Warwick.
 41 Glamorgan?
 54 Lincoln north!
 55 Leicester.
 56 Notts? "G. saccharatum."
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west.
 64 m. west. Baker sp.
 65 n. west.
 66 Durham. Storey sp.
 68 Cheviotland. New flo.
 (2 3). [67 70; errors?].

523 Galium

Aparine.

Counties all, except 46, with the usual nine others. Possibly a colonist only in some of the more northern counties.

524 Galium

Vaillantii.

- 18 Essex north. Gibson sp.
 [29 34 misreported. G.
 spurium in 30 62 65 70
 90, by misnomers.]

525 Galium

boreale.

- 42 Brecon.
 49 Carnarvon. Bowman ms.
 63 York s. west.
 64 m. west. Bowman sp.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumb. Makepeace sp.
 68 Cheviotland.
 69 Westmoreland! Beever sp.
 70 Cumberland! Baker cat.
 72 Dumfries. Gray cat.
 75 Ayr. Boswell Syme sp.
 76 Renfrew. Montgomery ms.
 77 Lanark. Gourlie sp.
 80 Roxburgh.
 81 Berwick.
 85 Fife.
 87 Perth west. Syme sp.
 88 mid! Worsley ms.
 89 east! Syme sp.
 90 Forfar!
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness!
 97 Westernness!
 98 Argyle!
 99 Dunbarton.
 00 Clyde-isles. Balfour sp.
 03 Eb. mid. Ch. Bab. sp.
 04 north. Lawson cat.
 05 Ross west. "G. C. Smith."
 06 east. Gordon cat.
 08 Suth. west. Ch. Bab. ms.
 09 Caithness. Brown cat.

- 11 Orkney ? Lowe's list.
 12 Shetland ? Edmon. flo.
 (36 Hereford ; Purchas flo.*)
 [62 N. E. York ; "Teesdale"].

526 Sherardia
arvensis.

- Counties all, except 46 86 89
 97 98 104 107 108 110
 111 112, with the usual nine
 added.

527 Asperula
odorata.

- Counties all, except 13 31 46
 60 71 72 86 88 89 97 98
 107 or 108 110 111, with
 the usual nine. A single
 locality in the Flora of
 Shetland. Marked in Dr.
 Brown's list for Caithness.
 Noted as seen by myself in
 Sutherland, in 1832, but the
 exact locality is now for-
 gotten.

528 Asperula
cynanchica.

- Cornwall ?
 3 Devon south.
 6 Som. north. Thwaites sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Twining sp.
 10 Wight ! More cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west ! Borrer cat.
 14 east ! Hall cat.
 15 Kent east ! Smith cat.
 16 west.
 17 Surrey ! Ellis ms.
 20 Herts. Isaac Brown sp.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.

- 26 Suffolk west. Bunbury sp.
 28 Norfolk west. Gibson ms.
 29 Cambridge. Babington cat.
 30 Bedford. S. Foster sp.
 32 Northton.
 33 Gloster east. Christy sp.
 37 Worcester ?
 41 Glamorgan. Bowman ms.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 50 Denbigh. Stratton ms.
 55 Leicester ?
 60 Lanc. west. Simpson sp.
 61 York s. east.
 63 s. west. Lees cat.
 64 m. west.
 69 Westm. Martindale ms.

531 Valeriana
dioica.

- Cornwall. Pascoe ms.
 3 Devon south.
 6 Som. north ! Thwaites cat.
 7 Wilts north. Flower ms.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight ! Bromfield ms.
 11 Hants south.
 12 north !
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east ! Smith cat.
 17 Surrey !
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Isaac Brown sp.
 21 Middlesex !
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Paget sp.
 26 west. Bab. cat.
 27 Norfolk east. Cooper sp.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.

- 31 Hunts. Newbould cat.
 32 Northton. Noteutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites sp.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea.
 53 Lincoln south!
 54 north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Goodlad herb.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviotl. Miss Pringle sp.
 69 Westmoreland!
 70 Cumberland! Baker ms.
 75 Ayr. Duncan cat.
 80 Roxburgh. Macnab sp.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. G. Lawson cat.
 [2 77 99; insufficiently
 vouched].

532 *Valeriana**officinalis.*

Counties all, except 46 53 60
 86 108 112. This may be

taken to represent the com-
 mon form or *sambucifolia*.
 The other form, the *Mikanii*
 of English Botany, edition
 third, is very sparingly on
 record hitherto.

534 *Valerianella**olitoria.*

Counties all, except 31 45 46
 51 53 69 73 86 88 89 95
 97 98 101 to 105 107 (108)
 110.

536 *Valerianella**Auricula.*

- 1 Corn. west. Warren sp.
 2 east. Briggs cat.†
 3 Devon south. Borrer ms.
 5 Som. south. Collins ms.
 6 north. Collins ms.
 9 Dorset. Gibson ms.
 10 Wight. More sp.
 11 Hants south.
 12 north.
 14 Sussex east. Bromf. ms.
 15 Kent east.
 17 Surrey!
 18 Essex north.
 20 Herts.
 29 Cambridge. Babington cat.
 33 Gloster east.
 34 west.
 35 Monmouth.
 36 Hereford.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 62 York n. east. Foggitt sp.
 63 s. w. "G. E. Smith."
 85 Fife. Macauley sp.

537 *Valerianella**dentata.*

- 1 Corn. west!
 2 east. Pascoe cat.
 3 Devon south. Briggs cat.

- | | |
|--------------------------------|------------------------------|
| 4 Devon north ! | 55 Leicester. Bloxam cat. |
| 5 Som. south. Coleman cat. | 56 Notts. |
| 6 north. Thwaites cat. | 57 Derby. Bloxam sp. |
| 7 Wilts north. Flower cat. | 58 Chester. Warren ms. |
| 8 south. Flower cat. | 59 Lanc. south. Webb cat. |
| 9 Dorset. Pleydell cat. | 60 west. Syme sp. |
| 10 Wight! More cat. | 61 York s. east. |
| 11 Hants south. Notcutt cat. | 62 n. east. Baker cat. |
| 12 north. Macreight sp. | 63 s. west. Lees cat. |
| 13 Sussex west. Borrer cat. | 64 m. west. Lees cat. |
| 14 east! Trevelyan sp. | 65 n. west. Ward sp. |
| 15 Kent east. Smith cat. | 66 Durham. Bowman sp. |
| 16 west ! | 67 Northumb. Bowman sp. |
| 17 Surrey ! Ellis ms. | 68 Cheviot. Embleton cat. |
| 18 Essex south. | 69 Westmorland. Oliver sp. |
| 19 north. Varenne cat. | 70 Cumberland. |
| 20 Herts. Coleman sp. | 74 Wigton. |
| 21 Middlesex. Hind cat. | 75 Ayr. Duncan cat. |
| 22 Berks. Britten cat. | 77 Lanark ? Patrick flo. |
| 23 Oxford. | 80 Roxburgh. Duncan cat. |
| 24 Bucks. Britten cat. | 82 Haddington. G. Macnab sp. |
| 25 Suffolk east. Bell sp. | 83 Edinburgh. |
| 26 west. | 85 Fife ! Boswell Syme sp. |
| 27 Norfolk east. | 87 Perth west. Syme ms. |
| 28 west. Bell ms. | 90 Forfar. Carnegie sp. |
| 29 Cambridge. Babington cat. | 95 Elgin. Gordon cat.† |
| 30 Bedford. Newbould ms. | 00 Clyde-isles. Galt ms. |
| 31 Hunts. Newbould cat. | |
| 32 Northton. Notcutt sp. | |
| 33 Gloster east. Prentice cat. | |
| 34 west. Thwaites sp. | |
| 35 Monmouth. Conway cat. | |
| 36 Hereford. Purchas cat. | |
| 37 Worcester. | |
| 38 Warwick. Kirk cat. | |
| 39 Stafford. Douglas cat. | |
| 40 Salop. Leighton cat. | |
| 41 Glamorgan. | |
| 44 Carmarthen. Motley cat. | |
| 45 Pembroke. Babington cat. | |
| 46 Cardigan. Purchas ms. | |
| 49 Carnarvon ! | |
| 50 Denbigh ! Bowman cat. | |
| 52 Anglesea. Robinson cat. | |
| 53 Lincoln south ! Bloxam ms. | |
| 54 north ! Bogg cat. | |

539 *Dipsacus**sylvestris.*

- | |
|-------------------------------|
| 1 Corn. west. Cunnack cat. |
| 2 east. Briggs cat. |
| 3 Devon south. Briggs cat. |
| 4 north ! Maw cat. |
| 5 Som. south. Coleman cat. |
| 6 north ! Thwaites cat. |
| 7 Wilts north. Flower cat. |
| 8 south. Flower cat. |
| 9 Dorset. Pleydell cat. |
| 10 Wight ! More cat. |
| 11 Hants south ! Notcutt cat. |
| 12 north. |
| 13 Sussex west ! Borrer cat. |
| 14 east. Coleman cat. |
| 15 Kent east ! Smith cat. |
| 16 west. |

- 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas ms.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton! Noteutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint! Robinson cat.
 52 Anglesea. Robinson cat.
 53 Linc. south! Bloxam ms.
 54 north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Leefe sp.
 66 Durham. Storey sp.
 67 Northumb. "native."
 68 Cheviot. Embleton cat.†
- 69 Westmoreland.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark?
 83 Edinburgh.
 85 Fife! G. Macnab sp.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Hennedy cat.
 (81 86 87 89 90 95; recorded as an introduced plant in these six counties; perhaps it should be held the same in some of the other counties of Scotland).
- 540 Dipsacus pilosus.**
- 5 Som. south. Poole ms.
 6 north. Russell sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell, "certain."
 11 Hants south.
 12 north. Pamplin ms.
 13 Sussex west. Trevelyan sp.
 15 Kent east. Stevens sp.
 16 west.
 17 Surrey! Brewer sp.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman sp.
 21 Middlesex.
 22 Berks.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west. Bromf. ms.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford. Fordham sp.
 31 Hunts. Newbould cat.
 32 Northton. Noteutt cat.
 33 Gloster east. Prentice ms.
 34 west. Thwaites sp.
 35 Monmouth. Poole ms.

- 36 Hereford. Shawe sp.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop.
- 47 Montgomery.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh. Stratton ms.
- 51 Flint. Robinson cat.
- 55 Leicester.
- 56 Notts.
- 57 Derby! Church. Bab. ms.
- 58 Chester.
- 59 Lanc. south.
- 61 York s. east.
- 63 s. west.
- 64 m. west.
- 65 n. west. Leefe sp.
- (66 83 85).

541 *Scabiosa* *succisa*.

Counties all, except 86 98 with
the other nine.

542 *Scabiosa* *columbaria*.

- 1 Corn. west. Cunnack cat.
- 3 Devon south.
- 4 north.
- 6 Som. north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west! Borrer cat.
- 14 east! Hall cat.
- 15 Kent east! Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne ms.
- 20 Herts. Coleman cat.
- 21 Middlesex?

- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west. Bunbury sp.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 33 Gloster east. Prentice cat.
- 34 west! Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. "Wilmott."
- 37 Worcester.
- 38 Warwick. Bagnall ms.
- 39 Stafford.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke.
- 47 Montgomery.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh! Bowman sp.
- 51 Flint. Robinson cat.
- 52 Anglesea. Robinson cat.
- 53 Linc. south! Bloxam ms.
- 54 north! Bogg cat.
- 55 Leicester. Coleman ms.
- 56 Notts.
- 57 Derby! Howitt cat.
- 59 Lanc. south. Chadwicke sp.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees sp.
- 64 m. west. Tatham sp.
- 65 n. west. Ward cat.
- 66 Durham. Storey sp.
- 67 Northumberland.
- 68 Cheviot. Embleton cat.
- 69 Westmoreland!
- 70 Cumberland.
- 80 Roxburgh. Duncan cat.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 87 Perth west.
- 90 Forfar. Croall sp.

92 Aber. south ? Dickie ms.

543 *Knautia*

arvensis.

Counties all, except 46 86 88
94 (95) 97 98 101 to 105
107 109 110 (111) 112. An
uncommon plant in North
Britain. I saw it in 96 106
108, but distrusted its nati-
vity there. Dr. Patrick Neill
is my sole authority for 111.

544 *Tragopogon* *pratensis.*

- 1 Corn. west.
- 2 east. Briggs cat.
- 3 Devon south. Banker sp.
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight ! More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west ! Syme sp.
- 17 Surrey !
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Hind cat.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norf. east.
- 28 west. Notcutt cat.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.

- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Purchas cat.
- 37 Worcester. Lees sp.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop ! Leighton sp.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Atwood sp.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh. Bowman cat.
- 51 Flint. Robinson cat.
- 52 Anglesea. Robinson cat.
- 53 Lincoln south !
- 54 north ! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts. Howitt sp.
- 57 Derby !
- 58 Chester ! Warren cat.
- 59 Lanc. south. Webb cat.
- 60 west.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Tatham sp.
- 65 n. west. Ward sp.
- 66 Durham. Bowman sp.
- 67 Northumb. Bowman sp.
- 68 Cheviot. Embleton cat.
- 69 Westmoreland !
- 70 Cumberland. Oliver sp.
- 75 Ayr. Duncan cat.
- 77 Lanark. Henedy cat.
- 80 Roxburgh. Duncan cat.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh ! Balfour cat.
- 85 Fife. Dewar sp.
- 90 Forfar.
- 91 Kincardine. Dickson ms.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 95 Elgin. Gordon cat.

- 08 Suth. west ! Introduced ?
 09 Caithness.

546 *Helminthia* *echioides*.

- 1 Corn. west ! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north ! Maw cat.
 5 Som. south. Coleman cat.
 6 north ! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight ! More cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west ! Borrer cat.
 14 east. Hall cat.
 15 Kent east ! Smith cat.
 16 west. Twining sp.
 17 Surrey ! Wood ms.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas ms.
 26 west.
 27 Norf. east.
 28 west. Wardale sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts ! Newbould cat.
 32 Northton ! Notcutt cat.
 33 Gloster east. Twining sp.
 34 west ! Thwaites sp.
 35 Monmouth. Ch. Bab. ms.
 36 Hereford. "Wilmott."
 37 Worcester. Bagnall ms.
 38 Warwick. Bree ms.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.

- 45 Pembroke. Babington cat.
 48 Merioneth.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint !
 52 Anglesea. Robinson cat.
 54 Linc. north ! Bogg cat.
 55 Leicester.
 56 Notts.
 57 Derby.
 58 Chester ! Warren ms.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 66 Durham. Bowman sp.
 68 Cheviot. Richardson sp.
 81 Berwick. Cleghorn sp.
 82 Haddington. E. B. ed. 3.
 (83 85 ; introduced).

547 *Picris* *hieracioides*.

- 1 Corn. west.
 3 Devon south. Briggs cat.
 4 north ?
 6 Som. north ! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight ! More cat.
 11 Hants south ! Notcutt cat.
 12 north.
 13 Sussex west ! Borrer cat.
 14 east !
 15 Kent east ! Smith cat.
 17 Surrey ! Wood ms.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex !
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.

- 26 Suffolk west. Bell sp.
 27 Norf. east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick? Authority?
 39 Stafford. Douglas cat.
 49 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 47 Montgom. Bowman ms.
 49 Carnarvon. Robinson cat.
 50 Denbigh? Faun. Grust.
 52 Anglesea. Robinson cat.
 54 Linc. north! Bogg cat.
 55 Leicester.
 56 Notts.
 57 Derby!
 62 York n. east. Baker cat.
 63 s. west.
 64 m. west. Lees cat.
 65 n. west. Ward sp.
 66 Durham.
 70 Cumberland. Baker cat.
 (67 68). [77 Hook. Scot.].
- 548 Leontodon**
hirtus.
 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north!
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west! Borrer cat.
- 14 Sussex east! Coleman cat.
 15 Kent east! Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks!
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas ms.
 26 west.
 27 Norfolk east.
 28 west. Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts!
 32 Northton! Berkeley ms.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 50 Denbigh. Bowman cat.
 51 Flint!
 53 Lincoln south!
 54 north! Bogg cat.
 55 Leicester. Bloxam sp.
 56 Notts.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Bean sp.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west.
 66 Durham.
 67 Northumberland.
 70 Cumb. "Thomas Benson."
 82 Haddington. Balfour cat.

83 Edinburgh. Balf. flo.
 [77 88]. (92 Dickie†).
 This plant well illustrates
 the practical difficulty in
 tracing a line of severance
 between "common" and
 "not common" plants. Its
 abundance in South Eng-
 land would place it in the
 list of common plants for
 the first forty or sixty coun-
 ties; yet it is quite rare or
 local in Scotland, if genu-
 inely wild anywhere in that
 northern half of Britain.

549 *Leontodon* *hispidus*.

1 Corn. west. Cunnack cat.
 2 east. Pascoe cat.
 3 Devon south. Briggs cat.
 4 north.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 12 north.
 13 Sussex west! Borrer cat.
 14 east! Coleman cat.
 15 Kent east! Smith cat.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.

29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton! Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Watkins cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint!
 52 Anglesea. Robinson cat.
 53 Lincoln south!
 54 north! Bogg cat.
 55 Leicester. Coleman ms.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south! Webb cat.
 60 west!
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Ward cat.
 66 Durham. Storey sp.
 67 Northumb. Storey ms.
 68 Cheviotland. Tate cat.
 69 Westmoreland!
 70 Cumberland. Borrer ms.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Henedy cat.
 81 Berwick. Syme sp.
 82 Haddington. Balfour cat.
 83 Edinburgh. Campbell sp.
 85 Fife.
 90 Forfar.
 91 Kincardine. Dickson cat.

00 Clyde-isles. Hennedy cat.
 04 Eb. north? Lawson cat.
 [111; a misnomer].

550 *Leontodon* *autumnalis*.

Counties all, except 35 49 71
 72 73 84 86 98. Doubtless
 it occurs in every county.
L. pratensis and *Taraxaci*
 are included herewith, as
 being only trifling varieties.

551 *Hypochaeris* *glabra*.

3 Devon south.
 4 north!
 5 Som. south. Coleman cat.
 9 Dorset. "Mr. Frampton."
 10 Wight. More cat.
 12 Hants north! Bromf. ms.
 13 Sussex west. Borrer cat.
 16 Kent west. G. E. Smith.
 17 Surrey!
 20 Herts.
 24 Bucks.
 25 Suffolk east.
 26 west.
 27 Norfolk east. Stock sp.
 28 west. Bell ms.
 29 Cambridge.
 30 Bedford.
 37 Worcester.
 38 Warwick.
 39 Stafford.
 40 Salop. Leighton cat.
 56 Notts?
 58 Chester. Warren ms.
 63 York s. west.
 64 m. west.
 75 Ayr.
 87 Perth west. Tate ms.
 90 Forfar?
 91 Kincardine.
 95 Elgin. Gordon sp.
 96 Easternness. Stables sp.

00 Clyde-isles. Syme sp.
 [61 62]. (66).

552 *Hypochaeris* *maculata*.

1 Corn. west. Cunnack sp.
 19 Essex north. Gibson ms.
 26 Suffolk west. Extinct.
 29 Cambridge. Gibson sp.
 32 Northton? Berkeley ms.
 49 Carnarvon. Fielding ms.
 69 Westmorl. Windsor sp.
 [4 9 26 28 33 64 70 90;
 maculate varieties of *Hiera-*
cium have been repeatedly
 mistaken for this plant].

553 *Hypochaeris* *radicata*.

Counties all, except 60 80 98
 112, with the usual nine.

554 *Lactuca* *virosa*.

Cornwall. "reported."
 3 Devon south. Briggs sp.
 6 Som. north. Parfitt ms.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 13 Sussex west. Warren ms.
 14 east. Bor. cat. co.
 15 Kent east. Smith cat.
 16 west. Bossey sp.
 17 Surrey! Coleman sp.
 18 Essex south. Varenne ms.
 19 north. Varenne cat.
 20 Herts.
 21 Middlesex. Hind sp.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suff. east. Bell sp.
 26 west. Bab. ms.
 27 Norf. east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.

- 32 Northton. Berkeley ms.
 34 Gloster west. Russell n.b.g.
 36 Hereford. "Wilmott."
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop? Bad authority.
 41 Glamorgan.
 49 Carnarvon. Robinson cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 61 York s. east.
 62 n. east.
 64 m. west. Lees cat.
 65 n. west. Baker sp.
 66 Durham. Storey sp.
 67 Northumberland.
 68 Cheviotland.
 75 Ayr. Duncan cat.
 81 Berwick.
 83 Edinburgh! Lloyd sp.
 86 Stirling! G. Macnab sp.
 89 Perth east!

[11 34 50 111; all errors?]

555 *Lactuca*

Scariola.

- 16 Kent west? "E. Forster."
 17 Surrey. Pamplin ms.
 18 Essex south. Varenne sp.
 27 Norfolk east. Trimmer flo.
 29 Cambridge. Babington cat.
 37 Worcester. Westcombe sp.
 [13 21 25 26 57; errors?].

556 *Lactuca*

saligna.

- 14 Sussex east. Mrs. Jones sp.
 15 Kent east. F. Brent sp.
 16 west! French sp.
 18 Essex south. Syme sp.
 21 Middlesex. Extinct.
 25 Suffolk east.
 29 Cambridge. Extinct?
 [9 36 37 55 56; not verified

of late years].

557 *Lactuca*

muralis.

- Cornwall. "G. S. Gibson."
 3 Devon south?
 4 north. Gibson ms.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Miss Bell ms.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south.
 12 north!
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne ms.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Bell sp.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 32 Northton.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Watkins sp.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 42 Brecon.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.

- 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 55 Leicester. Bloxam sp.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 62 York n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west.
 66 Durham. Storey sp.
 67 Northumb. Storey cat.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 (83 95 104; introduced).

558 Sonchus
palustris.

- 16 Kent west. Kippist sp.
 18 Essex south. Newman sp.
 25 Suffolk east. Paget sp.
 27 Norfolk east.
 28 west.
 29 Cambridge. Extinct.
 31 Hunts. Berkeley ms.
 [3 9 11 or 12 17 20 23
 39 40 55 56 69 75 83;
 all these are probably erro-
 neous; possibly extinct in
 21, which may have been
 correct.

559 Sonchus
arvensis.

- Counties all, except 46 86 97
 98 104 107 or 108 110.

560 Sonchus
asper.

- Counties all, except 23 30 35
 46 50 52 56 57 61 71 to 75
 80 84 86 88 89 92 to 98
 106 107 108 111; very
 likely to occur in all of these

counties, but was long passed
 by as a form of *oleraceus*.

561 Sonchus
oleraceus.

- Counties all, except 73 97 98
 110, with the usual nine;
 very likely to occur in all.

562 Mulgedium
alpinum.

- 90 Forfar! Brand sp.
 92 Ab. south. H. M. Balfour sp.
 [67 75; some error?]

563 Crepis
virens.

- Counties all, except 72 73 80
 97 107 108 109 111 112.

564 Crepis
biennis.

- 15 Kent east! Smith cat.
 16 west. Syme sp.
 18 Essex south.
 19 north. Gibson sp.
 20 Herts.
 25 Suffolk east.
 26 west.
 29 Cambridge. Babington cat.
 32 Northton!
 38 Warwick. Bromwich sp.
 54 Lincoln north.
 55 Leicester.
 62 York n. east.
 (2 3 7 10 14 21). [5 9
 17 28 39 44 49 56 57 61
 64 66 67 69 82; counties
 insufficiently vouched, and
 perhaps mostly erroneous;
 this name having been for-
 merly misapplied to the
Barkhausia taraxacifolia.]

566 Crepis
succisifolia.

- 64 York m. west. Tatham sp.
 65 n. west. Baker sp.
 66 Durham. Babington ms.
 67 Northumb. Storey sp.
 68 Cheviotland. Tate cat.
 81 Berwick. Embleton ms.
 83 Edinburgh.
 87 Perth west. Dewar sp.
 90 Forfar.
 91 Kincardine ?
 92 Aber. south. Roy, to 370 yds.
 94 Banff. Roy ms., 265 yds.
 99 Dunbarton.
 [85 Inverkeithing ?]

567 Crepis**paludosa.**

- 38 Warwick. Bagnall ms.
 39 Stafford ?
 40 Salop.
 41 Glamorgan.
 48 Merioneth. Anderson ms.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 55 Leicester. Ch. Bab. sp.
 56 Notts.
 57 Derby. Rev. A. Ley sp.
 58 Chester.
 59 Lanc. south ! Goodlad hb.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Leyland sp.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumb. Storey sp.
 68 Cheviotland. Tate cat.
 69 Westmoreland ! Beever sp.
 70 Cumberland ! Baker cat.
 72 Dumfries.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.

- 83 Edinburgh ! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. Syme cat.
 87 Perth west ! Syme cat.
 88 mid ! Worsley cat.
 89 east !
 90 Forfar !
 91 Kincardine.
 92 Aber. south ! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness ! Stables cat.
 98 Argyle. Church. Bab. ms.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 04 Eb. north. Lawson cat.
 06 Ross east. Gordon cat.
 07 Suth. east ? "Ben Clibrick."
 08 west ? "Ben Clibrick."
 09 Caithness. Brown cat.
 [3 4 28 ; erroneous ?]

568 Hieracium**Pilosella.**

Counties all, except 98 112,
 with most of the usual nine.

569 Hieracium**collinum.**

- 79 Selkirk. "Prof. Balfour."

570 Hieracium**alpinum.**

- 49 Carnarvon.
 69 Westmoreland.
 70 Cumberland. Baker cat.
 88 Perth mid !
 90 Forfar ! Croall sp.
 92 Aber. south ! Croall sp.
 96 Easternness ! Hooker sp.
 97 Westernness !
 98 Argyle.
 99 Dunbarton.
 04 Eb. north.

- 05 Ross west.
08 Suth. west!

571 Hieracium pulmonarium.

- 65 York n. west.
69 Westmoreland.
70 Cumberland. Baker cat.
85 Fife?
88 Perth mid. Syme sp.
89 east. Mackay, 1800.
90 Forfar! Croall sp.
92 Aber. south!
94 Banff.

- 96 Easternness. Hooker sp.
97 Westernness! Smith herb.
08 Suth. west. Oliver sp.

N.B. This may be understood to include the *nigrescens* and *chrysanthum* of Mr. Backhouse's Monograph.

572 Hieracium murorum.

Counties all, except 1 2 9 10
11 15 16 18 19 23 26 (29)
31 41 44 49 51 53 54 56
60 61 71 72 73 97 98 102,
with the usual nine added.
As thus taken, it must be understood to include the *murorum* and *caesium* of the Monograph; two alleged species which I am unable to distinguish with any certainty.

573 Hieracium sylvaticum.

Counties all, except 2 16 25
26 30 31 45 51 60 71 72
84 86 93 111, with most of the usual nine. As thus taken it must be understood to include *vulgatum* of the Monograph, more or less

mixed up with *tridentatum*, and perhaps also with some other species of the Monograph.

574 Hieracium maculatum.

N.B. I am not aware of any really indigenous locality for this plant, after separating from Smith's species the stained-leaved variations of 'murorum' and of other species similarly marked.

575 Hieracium pallidum.

3 Devon south? Dartmoor!
5 Som. south? Gifford sp.
36 Hereford? Purchas sp.
46 Cardigan. Atwood sp.
49 Carnarvon?
50 Denbigh! Bowman sp.
57 Derby. Kirk sp.
64 York m. west. Tatham sp.
65 n. west. Ward sp.
66 Durham. Baker sp.
67 Northumb. Oliver sp.
68 Cheviotland. Brown sp.
69 Westmoreland! Oliver sp.
70 Cumberland. Baker cat.
72 Dumfries.
83 Edinburgh!
87 Perth west. Dewar sp.
89 east!
90 Forfar! Gardiner sp.
92 Aber. south! Syme sp.
96 Easternness!
98 Argyle.
99 Dunbarton. Hooker sp.
06 Ross east. Stables sp.
07 Suth. east. Oliver sp.
08 west?
11 Orkney. Syme sp.
N.B. This name is one of recent introduction into our

descriptive Floras. Smith probably would have divided the specimens between his *murorum* and *Lawsoni*.

576 *Hieracium* *anglicum.*

- 64 York m. west. Tatham sp.
- 65 n. west.
- 66 Durham. Baker sp.
- 69 Westmoreland!
- 70 Cumberland. Oliver sp.
- 81 Berwick? Embleton ms.
- 83 Edinburgh?
- 85 Fife.
- 86 Stirling.
- 88 Perth mid!
- 89 east!
- 90 Forfar! Croall sp.
- 91 Kincardine.
- 92 Aber. south! Syme sp.
- 96 Easterness!
- 97 Westerness. Winch herb.
- 98 Argyle.
- 04 Eb. north. Lawson cat.
- 05 Ross west. Ch. Bab. ms.
- 08 Suth. west!
- 10 Hebrides.
- 11 Orkney? Syme sp.?

N.B. This includes the *Lawsoni* and *cerinthoides* of the older botanists; and it has occasionally been reported under name of *villosum*.

577 *Hieracium* *iricum.*

- 65 York n. west. Gibson sp.
- 66 Durham. Babington sp.
- 72 Dumfries.
- 92 Aberd. south! Croall sp.
- 08 Suth. west. Oliver sp.
- 09 Caithness. Brown cat.

578 *Hieracium* *Borreri.*

79 Selkirk? "Dickson."

99 Dunbarton. Borrer ms.

N.B. Still remains a dubious plant; see Cyb. Brit. vol. 3, page 359. The name *denticulatum* has been variously applied, perhaps most frequently to examples of *strictum*. Mr. Backhouse referred dried specimens of this plant to *prenanthoides*, with which I cannot concur, after cultivating both of them during many years.

579 *Hieracium* *prenanthoides.*

- 64 York m. west. Tatham sp.
 - 65 n. west.
 - 67 Northumb. Thompson sp.
 - 68 Cheviotland. Tate sp.
 - 81 Berwick.
 - 83 Edinburgh. Balfour cat.
 - 84 Linlithgow.
 - 85 Fife.
 - 86 Stirling.
 - 88 Perth mid!
 - 89 east!
 - 90 Forfar!
 - 91 Kincardine.
 - 92 Aber south! Balfour sp.
 - 95 Elgin. Gordon cat.
 - 96 Easterness. Stables cat.
 - 09 Caithness. Brown cat.
- [69 70 77 104; uncertain].

580 *Hieracium* *crocatum.*

- 62 York n. east.
- 64 m. west. Lees cat.
- 65 n. west. Gibson sp.
- 66 Durham. Bowman sp.
- 67 Northumberland.
- 68 Cheviotland.
- 70 Cumberland. Baker cat.
- 87 Perth west. Balfour sp.

- 88 Perth mid!
 89 east!
 90 Forfar. Kerr sp.
 91 Kincardine. Syme sp.
 92 Aber. south! Croall sp.
 96 Easternness? Gordon sp.?
 98 Argyle? Lyon sp.?
 [10 48 112; erroneous].

581 Hieracium strictum.

- 64 York m. west. Baker sp.
 69 Westmoreland!
 70 Cumberland. Oliver sp.
 85 Fife. Eng. Bot. ed. 3.
 87 Perth west. Balfour sp.
 88 mid. Balfour sp.
 90 Forfar. Kerr sp.
 96 Easternness. Eng. Bot. ed. 3.
 98 Argyle. Lyon sp.
 99 Dunbarton. Eng. Bot. ed. 3.
 02 Eb. south. Balfour sp.
 08 Suth. west!

N.B. I do not clearly know this species, and trust chiefly to Mr. Backhouse for the names of my specimens cited above. It seems nearly allied to *crocatum*, formerly called *inuloides*.

582 Hieracium tridentatum.

- 4 Devon north!
 9 Dorset. Pleydell cat.
 10 Wight. More sp.
 12 Hants north! Baker cat.
 13 Sussex west. Borrer cat.
 15 Kent east!
 16 west! Atkins sp.
 17 Surrey!
 18 Essex south.
 19 north. Varenne sp.
 21 Middlesex.
 22 Berks!
 34 Gloster west. Thwaites sp.

- 36 Hereford. Purchas ms.
 38 Warwick. Bloxam sp.
 55 Leicester. Bloxam sp.
 58 Chester. Wood sp.
 62 York n. east. Baker sp.
 64 m. west. Tatham sp.
 65 n. west. Baker sp.
 66 Durham.
 67 Northumberland.
 69 Westmoreland?
 70 Cumberland?

N.B. This includes the so-called *gothicum* and *rigidum* of the southern counties, but is different from the *rigidum* of Backhouse, no. 31.

583 Hieracium corymbosum.

- 65 York n. west. Baker sp.
 66 Durham. Gibson sp.
 67 Northumberl. New flo.
 68 Cheviotland. New flo.
 77 Lanark. Hooker sp.
 80 Roxburgh. Johnston sp.
 87 Perth west. Dewar sp.
 88 mid!
 89 east!
 90 Forfar. Croall sp.
 92 Aber. south! Syme sp.
 96 Easternness. E. B. ed. 3.
 08 Suth. west. Graham sp.

N.B. This is the *rigidum* of Backhouse's Monograph, perhaps partly confused with *strictum*; certainly I do fail in assigning some of the dried specimens between these two.

584 Hieracium umbellatum.

- 1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north. Maw ms.

- 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south. Notcutt cat.
 12 north!
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts.
 21 Middlesex.
 22 Berks! Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Paget sp.
 26 west.
 27 Norfolk east.
 28 west. Bell ms.
 29 Cambridge?
 30 Bedford.
 32 Northton. Notcutt cat.
 34 Gloster west. Wilmott sp.
 35 Monmouth. Bladon sp.
 36 Hereford.
 38 Warwick. Kirk cat.
 39 Stafford!
 40 Salop.
 41 Glamorgan.
 42 Brecon.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Purchas ms.
 49 Carnarvon. Robinson cat.
 50 Denbigh.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 53 Lincoln south!
 55 Leicester. Bloxam sp.
 56 Notts.
 57 Derby. Howitt cat.

- 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker sp.
 64 m. west. Tatham cat.
 65 n. west.
 66 Durham. Bowman sp.
 67 Northumb. Storey sp.
 68 Cheviotland. Tate ms.
 69 Westmorel. Oliver ms.
 70 Cumberland. Oliver sp.
 72 Dumfries. Gordon ms.
 73 Kirkeudb. Balfour sp.
 [77 81 83 88 90 91 100
 101 102 108 109; all un-
 certain, though possibly some
 of them correct].

584 *Hieracium*

boreale.

Counties all, except 2 26 31
 54 60 71 72 75 82 85 86
 88 89 93 95 to 98 105 to
 112. Frequent in England;
 much less so in Scotland.
 Seldom confused with any
 other species, but a Surrey
 example of *tridentatum* was
 named *boreale* by Dr. C. H.
 Schultz; although other ex-
 amples of each species were
 rightly named by him. Said
 to be misnamed *umbellatum*
 by some of the Edinburgh
 botanists.

Hieracia *Backhousiana*.

N.B. A second series of the
 species in this perplexing
genus is here subjoined,
 adapted to their greater
 segregation in the *Mono-*
graph by Mr. Backhouse.
 Of course, almost all old
 records, and others however

recent which relate to the more aggregate species, are omitted in the enumerations of counties for the special segregates of the *Monograph*. Some years ago, Mr. Backhouse kindly looked over the specimens in my herbarium, and adapted their nomenclature to his standard work; so that they are quoted underneath with a trust which is seldom extended to manuscript notes (apart from actual specimens) made either by myself or by correspondents, in this genus.

3 *Hieracium*

melanocephalum.

90 Forfar.

92 Aber. south! Backhouse sp.

96 Easternness? on 'Braeriach.'

N.B. For explanation of the changed specific name see *Comp. Cyb. Brit.* page 528.

4 *Hieracium*

holosericeum.

70 Cumberland. Baker cat.

88 Perth mid!

90 Forfar! Backhouse sp.

92 Aber. south. Backhouse sp.

97 Westernness!

5 *Hieracium*

eximium.

90 Forfar! Croall sp.

92 Aber. south! Croall sp.

94 Banff.

97 Westernness!

6 *Hieracium*

calenduliflorum.

90 Forfar.

92 Aber. south. Backhouse sp.

7 *Hieracium*

gracilentum.

90 Forfar. Backhouse sp.

92 Aber. south! Backhouse sp.

98 Argyle. J. Roy Ire 1871.

8 *Hieracium*

globosum.

92 Aber. south. Backhouse sp.

94 Banff. Eng. Bot. ed. 3.

9 *Hieracium*

nigrescens.

88 Perth mid. Syme sp.

90 Forfar! Gardiner sp.

92 Aber. south. Syme sp.

96 Easternness. Hooker sp.

97 Westernness.

10 *Hieracium*

lingulatum.

88 Perth mid.

90 Forfar.

92 Aber. south! Syme sp.

97 Westernness!

11 *Hieracium*

senescens.

85 Fife. Balf. & Sad. flo.

88 Perth mid.

90 Forfar!

92 Aber. south. Syme sp.

99 Dunbarton.

12 *Hieracium*

chrysanthum.

69 Westmoreland?

70 Cumberland. Baker cat.

90 Forfar! Backhouse sp.

92 Aber. south. Croall sp.

96 Easternness. Hooker sp.

97 Westernness!

08 Suth. west. Oliver sp.

13 *Hieracium*

anglicum.

- 64 York m. west. Tatham sp.
 65 n. west. Bot. n. y.
 66 Durham. Baker sp.
 69 Westmoreland! Bowman!
 70 Cumberland. Oliver sp.
 72 Dumfries.
 83 Edinburgh?
 85 Fife. Balf. & Sad. flo.
 88 Perth mid!
 89 east!
 90 Forfar! Backhouse sp.
 92 Aber. south! Syme sp.
 11 Orkney. Syme sp. (query).
 N.B. *H. cerinthoides*, of Monog.

**15 Hieracium
pallidum.**

N.B. See no. 575, on page 220.

**16 Hieracium
lasiophyllum.**

- 36 Hereford?
 47 Montgomery.
 49 Carnarvon.
 68 Cheviotland.
 90 Forfar.
 92 Aber. south. Backhouse sp.
 12 Shetland?

**17 Hieracium
Gibsoni.**

- 64 York m. west. Tatham sp.

**18 Hieracium
argenteum.**

- 49 Carnarvon. Butler sp.
 68 Cheviotland. Oliver sp.
 70 Cumberland. Baker cat.
 89 Perth east.
 90 Forfar. Gardiner sp.
 91 Kincardine?
 92 Aber. south! Backhouse sp.
 10 Hebrides.

**19 Hieracium
nitidum.**

- 92 Aber. south! Backhouse sp.
 96 Easternness.

**20 Hieracium
aggregatum.**

- 90 Forfar. J. Roy Ire 1872.
 92 Aber. south. Backhouse sp.

**21 Hieracium
murorum.**

- 7 Wilts north. Preston ms.
 17 Surrey!
 33 Gloster east. Stephens sp.
 34 west. Stephens sp.
 36 Hereford. Purchas sp.
 57 Derby. Buckland sp.
 62 York n. east. Baker sp.
 65 n. west. Bot. n. y.
 66 Durham. Baker sp.
 67 Northumb. New flo.
 68 Cheviotland. New flo.
 70 Cumberland!
 90 Forfar. Croall sp.
 92 Aber. south!
 N.B. See no. 572, page 220,
 for numerous other counties
 which are less certain.

**22 Hieracium
cæsium.**

- 29 Cambridge. Bab. flo.
 45 Pembroke. Babington cat.
 62 York n. east. Baker sp.
 64 m. w. Backhouse sp.
 65 n. west. Bot. n. y.
 66 Durham. New flo.
 68 Cheviotland. New flo.
 90 Forfar. Backhouse sp.
 92 Aber. south!
 08 Suth. west. Oliver sp.
 11 Orkney. Boswell Syme sp.
 N.B. This recent species had
 been assigned by English
 botanists usually to *murorum*,
 occasionally to *Lawsoni*; and
 more lately it has been con-

fused with *pallidum*. Doubtless to be found in many other counties besides those here given. "Mountain districts, not unfrequent"; Back. mon.

23 Hieracium floculosum.

- 90 Forfar. Backhouse mon.
92 Aber. south. Backhouse sp.
96 Easternness? "Braeriach."

24 Hieracium vulgatum.

- 7 Wilts north. Preston ms.
10 Wight. More cat.
11 Hants south!
12 north!
17 Surrey!
18 Essex south. Gibson flo.
19 north. Gibson flo.
20 Herts. Wallis sp.
22 Berks. Britten cont.
49 Carnarvon. Backhouse mon.
62 York n. east. Baker sp.
63 s. west. Lees ms.
64 m. w. Backhouse sp.
65 n. west. Bot. n. y.
66 Durham. New flo.
67 Northumb. New flo.
68 Cheviotland. New flo.
69 Westmoreland!
70 Cumberland!
83 Edinburgh. B. S. flo.
85 Fife. Boswell Syme.
87 Perth west!
88 mid!
89 east!
90 Forfar. Croall sp.
92 Aber. south! Dickie cat.
96 Easternness. Stables sp.
04 Eb. north. Lawson cat.
N.B. The 'sylvaticum' of Smith and other botanists doubtless included several

of the Backhousean species along with *vulgatum*; thus, the two names cannot be taken as exactly synonyms. The segregate *vulgatum* is perhaps the most generally distributed species in Britain, *Pilosella* excepted, although the *boreale* and *umbellatum* may be the more common English plants.

25 Hieracium gothicum.

- 48 Merioneth. Back. mon.
49 Carnarvon. Back. mon.
62 York n. east. Baker sp.
64 m. west. Tatham sp.
65 n. west. Bot. n. y.
66 Durham. Baker sp.
67 Northumb. Storey sp.
68 Cheviotland. New flo.
85 Fife. Dewar sp.
90 Forfar. Croall sp.
92 Aber. south. Croall sp.

26 Hieracium tridentatum.

- 4 Devon north!
10 Wight. More sp.
12 Hants north! Baker cat.
13 Sussex west. Baker cat.
15 Kent east!
16 west. Mrs. Atkins sp.
17 Surrey!
19 Essex north. Varenne sp.
29 Cambridge?
34 Gloster west. Thwaites sp.
38 Warwick. Bloxam sp.
55 Leicester. Bloxam sp.
58 Chester. Dr. Wood sp.
62 York n. east. Baker sp.
64 m. west. Tatham sp.
65 n. west. Baker sp.
66 Durham. New flo.
67 Northumb. New flo.

27 Hieracium**prenanthoides.**

- 64 York m. west. Tatham sp.
 65 n. west. Ward sp.
 67 Northumb. Winch sp.
 68 Cheviotland. New flo.
 88 Perth mid!
 90 Forfar! Backhouse sp.
 92 Aber. south! Balfour sp.

28 Hieracium**strictum.**

- 65 York n. west. J. W. Watson.
 69 Westmoreland?
 70 Cumberland. Oliver sp.
 85 Fife. Boswell Syme sp.
 87 Perth west. Dewar sp.
 88 mid. Balfour sp.
 90 Forfar. A. Kerr sp.
 98 Argyle. Lyon sp.
 02 Eb. south. Balfour sp.
 08 Suth. west!

29 Hieracium**umbellatum.**

N.B. See no. 584, page 222.

30 Hieracium**crocatum.**

- 62 York n. east. Bot. n. y.
 65 n. west. Baker sp.
 66 Durham. New flo.
 67 Northumb. New flo.
 68 Cheviotland. New flo.
 87 Perth west?
 88 mid!
 89 east!
 90 Forfar. Croall sp.
 91 Kincardine. Syme sp.
 92 Aber. south! Croall sp.

31 Hieracium**rigidum.**

- 65 York n. west. Baker sp.
 66 Durham. Gibson sp.
 67 Northumb. New flo.

68 Cheviotland. New flo.

- 77 Lanark. Hooker sp.
 80 Roxburgh. Johnston sp.
 87 Perth west. Dewar sp.
 88 mid!
 89 east!
 90 Forfar. Croall sp.
 92 Aber. south! Syme sp.
 96 Easterness. Eng. Bot. ed. 3.
 08 Suth. west. Graham sp.

32 Hieracium**corymbosum.**

92 Aber. south. Back. mon.

N.B. This is now held to be the same with the preceding *rigidum*; the name of which ought thus to replace this name in the 'London Catalogue.' Unluckily there is a double or alternative use of that name *rigidum*. By the Hartmanns, father and son, and by Dr. Schultz it was applied to the species which we now call *tridentatum*, after Fries.

Taking the series of five names—*crocatum*, *strictum*, *rigidum*, *gothicum*, *tridentatum*—I still experience much difficulty in clearly assigning herbarium specimens to their several names; after discarding the two names *corymbosum* and *denticulatum*, representing plants now divided among the other five names. Indeed, in this and other *genera*, many of my own herbarium specimens were preserved there just because they were imperfect or otherwise abnormal examples; their nomenclature thus left uncertain.

33 Hieracium boreale.

N.B. The counties for this species may be taken as before indicated on page 223.

585 Barkhausia fœtida.

- 6 Som. north. Flower sp.†
13 Sussex west. Borrer ms.
14 east. Mrs. Jones sp.
15 Kent east! Syme sp.
16 west! Macnab sp.
17 Surrey?
18 Essex south.
19 north. Gibson sp.
22 Berks.
24 Bucks?
25 Suffolk east.
26 west.
28 Norfolk west. Bab. sp.
29 Cambridge.
[21 36; both errors?]

586 Barkhausia taraxacifolia.

- 3 Devon south.
16 Kent west!
17 Surrey.
18 Essex south. Varenne ms.
25 Suffolk east.
49 Carnarvon. "J. Roberts!"
62 York n. east.
64 m. west. Lees cat.†
[14 59]. (66 67).

588 Taraxacum officinale.

Counties all, except 41 74, with the usual nine.

588 T. officinale var. erythrospermum.

- 7 Wilts north. Preston ms.
9 Dorset. Pleydell cat.
10 Wight. More ms.

- 13 Sussex west. Syme sp.
17 Surrey!
19 Essex north. Varenne ms.
21 Middlesex!
26 Suffolk west. Bab. cat.
29 Cambridge.
59 Lanc. south. Webb cat.
85 Fife. Boswell Syme sp.
N.B. Probably common; hitherto sparingly on record.

588 T. officinale var. palustre.

- 2 Corn. east. Briggs sp.
3 Devon south. Briggs sp.
Somerset.
9 Dorset. Pleydell cat.
10 Wgt. "udum, not palustre."
11 Hants south.
12 north.
13 Sussex west. Borrer cat.
17 Surrey?
20 Herts.
22 Berks.
26 Suffolk west. Bab. cat.
27 Norfolk east. Stock cat.
28 west.
29 Cambridge. Stevens sp.
36 Hereford.
37 Worcester.
38 Warwick. Bagnall sp.
40 Salop. Leighton cat.
44 Carmarthen. Motley cat.
49 Carnarvon.
50 Denbigh. Bowman cat.
52 Anglesea.
55 Leicester.
56 Notts.
57 Derby.
58 Chester!
59 Lanc. south. Webb cat.
62 York n. east.
63 s. west.
64 m. west. Tatham cat.
65 n. west. Ward cat.
66 Durham.

- 67 Northumberland.
 68 Cheviot. Embleton cat.
 70 Cumberland! Baker cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh!
 85 Fife! Syme cat.
 88 Perth mid!
 89 east!
 90 Forfar!
 91 Kincardine. Syme cat.
 92 Aber. south!
 93 north.
 94 Banff.
 96 Easternness!
 97 Westernness!
 00 Clyde-isles. Hennedy cat.
 06 Ross east. "Wilson."
 09 Caithness. Brown cat.
 10 Hebrides?
 12 Shetland. "abundant."
 N.B. These two segregates may be taken to represent the two extremes of the aggregate *Taraxacum officinale*. Two other forms pass under name of *lævigatum*; the one, connecting *erythrospermum* with the type; the other (*udum*?) coming between the type form and *palustre*.

589 Arnoseris pusilla.

- 9 Dorset. Pleydell cat.
 11 Hants south.
 16 Kent west.
 17 Surrey!
 18 Essex south.
 19 north.
 25 Suffolk east.
 26 west.

- 27 Norfolk east.
 28 west. Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton.
 Lincoln. Britten lre.
 55 Leicester.
 66 Durham. "introduced."
 90 Forfar.
 92 Aber. south. Dickie cat.†
 94 Banff.
 95 Elgin. Gordon cat.†
 N.B. Reported in some other counties, which require verification. Uncertain in its localities from year to year.

590 Lampsana communis.

Counties all, except 46 97 112; may be really absent from the last of these, Shetland.

591 Cichorium Intybus.

- 1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 10 Wight. Bromfield ms.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east! Smith cat.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks. Britten cat.

- 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas ms.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton!
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 53 Lincoln south!
 54 north. Bogg cat.
 55 Leicester.
 56 Notts.
 57 Derby.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.†
 64 m. west.
 65 n. west. "colonist."
 66 Durham. "colonist."
 67 Northumb. "colonist."
 68 Cheviot. Embleton cat.†
 69 Westmoreland.
 70 Cumberland.
 71 Man. Forbes cat.† "v. r."
 (58 59 75 77 80 to 85 89
 90 92 93 95 96 99 109).

592 Arctium

Lappa, etc.

Counties all, except 46 97 98.

Being unable to distinguish the four or five segregates, into which the *Lappa* and *Bardana* are now divided, I give underneath the two which only are sufficiently known to myself. Perhaps the *Bardana* really represented a third species.

592 Arctium

majus.

- 3 Devon south. Briggs cat.
 3 Devon south. Parfitt ms.
 7 Wilts north. Preston ms.
 8 south.
 10 Wight. More ms.
 12 Hants north.
 13 Sussex west.
 14 east.
 17 Surrey!
 19 Essex north. Varenne ms.
 20 Herts. Coleman cat.
 21 Middlesex.
 24 Bucks.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 31 Hunts. Newbould cat.
 35 Monmouth.
 36 Hereford.
 38 Warwick. Bromwich sp.
 55 Leicester.
 57 Derby. Kirk ms.
 58 Chester.
 59 Lanc. south.
 [66 82 84 85; insufficiently
 vouched].

592 Arctium

minus.

- 1 Corn. west.
 2 east. Briggs ms.
 3 Devon south. Briggs cat.
 6 Som. north. Babing. ms.
 7 Wilts north. Babing. ms.

- 8 Wilts south.
- 9 Dorset.
- 10 Wight. More ms.
- 12 Hants north. Baker ms.
- 13 Sussex west. Borrer cat.
- 14 east.
- 17 Surrey! Syme ms.
- 18 Essex south.
- 19 north. Varenne ms.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks. Britten cat.
- 24 Bucks.
- 25 Suffolk east. Purchas ms.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 31 Hunts. Newbould cat.
- 35 Monmouth.
- 36 Hereford.
- 38 Warwick. Bromwich sp.
- 39 Stafford. Bagnall ms.
- 41 Glamorgan.
- 49 Carnarvon.
- 55 Leicester. Coleman cat.
- 57 Derby. Kirk ms.
- 58 Chester. Warren cat.
- 59 Lanc. south. Webb cat.
- 62 York n. east. Baker sp.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 66 Durham.
- 67 Northumberland.
- 68 Cheviotland.
- 70 Cumberland. Baker cat.
- 75 Ayr. "Ailsa craig."
- 81 Berwick.
- 82 Haddington.
- 83 Edinburgh. Balfour cat.
- 85 Fife. Syme cat.
- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour cat.
- 04 north. Lawson cat.

**593 Saussurea
alpina.**

- 49 Carnarvon. Butler sp
- 70 Cumberland.
- 72 Dumfries.
- 87 Perth west. Hooker sp.
- 88 Perth mid!
- 90 Forfar!
- 92 Aber. south! Dickie cat.
- 97 Westernness!
- 98 Argyle. Church. Bab. ms.
- 99 Dunbarton.
- 01 Cantire. Balfour cat.
- 05 Eb. north. Lawson cat.
- 05 Ross west.
- 08 Suth. west. Graham sp.
- 10 Hebrides. 1 locality.
- 11 Orkney. Syme cat.
- 12 Shetland. Tate sp.
[59 Hall, in B. G.]

**594 Serratula
tinctoria.**

- 1 Corn. west! Cunnack sp.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north. Maw cat.
- 6 Som. north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north!
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 16 Kent west. E. Twining sp.
- 17 Surrey! Pamplin ms.
- 18 Essex south.
- 19 north.
- 20 Herts. Coleman cat.
- 21 Middlesex. Hind cat.
- 22 Berks!
- 23 Oxford. Beesley cat.
Suffolk?
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 32 Northton. Notcutt cat.

- | | |
|--------------------------------|--------------------------------|
| 33 Gloster east. Prentice cat. | 10 Wight! More cat. |
| 34 west. Thwaites sp. | 11 Hants south! Notcutt cat. |
| 35 Monmouth. Watkins sp. | 12 Hants north. |
| 36 Hereford. Purchas cat. | 13 Sussex west! Borrer cat. |
| 37 Worcester. Bagnall ms. | 14 east! Hall cat. |
| 38 Warwick. Kirk cat. | 15 Kent east. Smith cat. |
| 39 Stafford. Bagnall ms. | 16 Kent west? |
| 40 Salop. | 17 Surrey! |
| 41 Glamorgan. | 18 Essex south. |
| 44 Carmarthen. Motley cat. | 19 north. Varenne cat. |
| 45 Pembroke. Babington cat. | 20 Herts. Coleman cat. |
| 46 Cardigan. Purchas ms. | 21 Middlesex! |
| 48 Merioneth. | 22 Berks. Britten cat. |
| 49 Carnarvon. Harris sp. | 23 Oxford. Beesley cat. |
| 50 Denbigh. Bowman cat. | 24 Bucks. Britten cat. |
| 52 Anglesea! Robinson cat. | 25 Suff. east. Purchas ms. |
| Lincoln. | 26 west. Bab. cat. |
| 55 Leicester. Bloxam cat. | 27 Norf. east. Notcutt cat. |
| 56 Notts. | 28 west. |
| 57 Derby. Howitt cat. | 29 Cambridge. Babington cat. |
| 58 Chester. Warren cat. | 30 Bedford. |
| 59 Lanc. south! | 31 Hants! Newbould cat. |
| 62 York n. east. Baker sp. | 32 Northon! Notcutt cat. |
| 63 s. west. | 33 Gloster east. Prentice cat. |
| 64 m. west. Tatham cat. | 34 west! Thwaites cat. |
| 65 n. west. Ward cat. | 35 Monmouth. Conway cat. |
| 66 Durham. Bowman sp. | 36 Hereford. Purchas cat. |
| 67 Northumberland. | 37 Worcester. |
| 68 Cheviotland. | 38 Warwick. Kirk cat. |
| 69 Westmoreland! Smith sp. | 39 Stafford! Douglas cat. |
| 70 Cumberland. Oliver ms. | 40 Salop. Leighton cat. |
| 72 Dumfries. | 41 Glamorgan. |
| 73 Kirkeudbright. Syme sp. | 44 Carmarthen. Motley cat. |
| [77 111; both errors?] | 45 Pembroke. Babington cat. |
| | 49 Carnarvon. Robinson cat. |
| | 50 Denbigh. Bowman cat. |
| | 51 Flint. Gordon ms. |
| | 52 Anglesea. Robinson cat. |
| | 53 Linc. south! |
| | 54 north! Bogg cat. |
| | 55 Leicester. |
| | 56 Notts. |
| | 57 Derby! |
| | 58 Chester. Warren ms. |
| | 61 York s. east. |
| | 62 n. east. Baker cat. |

595 *Carduus* *nutans*.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north!
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Twining sp.

- 63 York s. west.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Storey sp.
 67 Northumberland.
 68 Cheviotland.
 69 Westmoreland! Oliver sp.
 77 Lanark. Hennedy cat.†
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh.
 91 Kincard. Mrs. Dickson ms.
 95 Elgin. Gordon cat.†
 04 Eb. north. Lawson cat.
 N.B. Is it truly indigenous in
 Scotland? [111].

**596 Carduus
 crispus.**

- Counties all, except 4 35 71
 72 73 75 80 88 89 93 94
 96 97 98 100 to 112. Rare,
 and perhaps not truly indi-
 genous in North Britain; so
 that it might be included
 among the less common
 plants. Until lately it was
 usually named *acanthoides* in
 our Floras, etc.

**597 Carduus
 tenuiflorus.**

- 1 Corn. west!
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north.
 5 Som. south. Coleman cat.
 6 north. Atwood ms.
 7 Wilts north? Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 12 north.
 13 Sus. west! Smith cat. co.
 14 east!

- 15 Kent east! Smith cat.
 16 west!
 17 Surrey. Pamplin ms.
 18 Essex south. Varenne ms.
 19 north. Varenne cat.
 21 Middlesex.
 22 Berks.
 23 Oxford.
 25 Suffolk east. Paget sp.
 27 Norf. east.
 28 west. Miss Bell ms.
 30 Bedford.
 32 Northton.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 40 Salop.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 48 Merioneth.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 52 Anglesea. Robinson cat.
 55 Leicester.
 56 Notts.
 58 Chester. Warren cat.
 59 Lanc. south! Webb cat.
 62 York n. east. Baker cat.
 63 s. west.
 64 m. west. Tatham cat.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviotland.
 70 Cumberland!
 71 Man. Forbes cat.
 75 Ayr.
 77 Lanark?
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Graham sp.
 85 Fife. E. Young sp.
 90 Forfar.
 91 Kinc. "Mr. Chrystall."
 95 Elgin?

00 Clyde-isles ?

599 *Carduus lanceolatus*.

Counties all, except 46 73 98.
No doubt it occurs in every county.

600 *Carduus eriophorus*.

- 6 Som. north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight ! More cat.
- 11 Hants south.
- 12 north.
- 15 Kent east. Smith cat.
- 17 Surrey.
- 18 Essex south ?
- 19 north.
- 20 Herts.
- 22 Berks.
- 23 Oxford. Beesley cat.
- 24 Bucks ?
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton !
- 33 Gloster east. Prentice cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford ! Lloyd sp.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.†
- 45 Pembroke.
- 53 Linc. south. Bloxam ms.
- 54 north !
- 55 Leicester.
- 56 Notts.

57 Derby ! Howitt cat.

58 Chester ?

60 Lanc. west ?

61 York s. east.

62 n. east. Baker cat.

63 s. west. Lees cat.

64 m. west. Lees cat.

65 n. west.

56 Durham. New flo.

[1 2 3 13 14 (67) 70 (77)
84 85 (87) 98 99; requiring
verification].

601 *Carduus palustris*.

Counties all, except 46 86 98
104 108. Doubtless to be
found in every county.

602 *Carduus arvensis*.

Counties all, except 46 and the
usual nine. Doubtless it
occurs in every county.

604 *Carduus pratensis*.

- 3 Devon south. Gibson ms.
- 4 north ?
- 6 Som. north. Collins.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south ! Bromf. sp.
- 12 north !
- 13 Sussex west. Borrer cat.
- 14 east. Brewer sp.
- 15 Kent east.
- 17 Surrey ! Ellis sp.
- 18 Essex south.
- 20 Herts. Coleman sp.
- 21 Middlesex.
- 22 Berks ! Mrs. Russell sp.
- 23 Oxford.
- 24 Bucks.

- 25 Suffolk east.
 27 Norf. east. Stock cat.
 28 west. Cooper sp.
 29 Cambridge. Babington cat.
 31 Hunts. Newbould cat.
 32 Northton. Berkeley ms.
 34 Gloster west. Thwaites ms.
 35 Monmouth. Conway cat.
 36 Hereford.
 37 Worcester. Lees sp.
 38 Warwick. Bloxam sp.
 39 Stafford. Bidwell sp.
 40 Salop. Leighton cat.
 41 Glamorgan. Lees sp.
 42 Brecon. E. Forster ms.
 44 Carmarthen. Motley ms.
 N. Wales. Eng. Bot. ed. 3.
 55 Leicester.
 56 Notts.
 61 York s. east.
 62 n. east. Bot. n. y.
 63 s. west.
 64 m. west. Lees cat.
 [66 67 75 100 102].

605 *Carduus* *tuberosus*.

- 8 Wilts south. now "scarce."
 [7 41 C. Woodwardi].

606 *Carduus* *acaulis*.

- 3 Devon south?
 5 Som. south. Poole ms.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Bell sp.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 12 north! Pamplin ms.
 13 Sussex west! Borrer cat.
 14 east. Coleman cat.
 15 Kent east! Smith cat.
 16 west. Syme sp.
 17 Surrey! Ellis sp.

- 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas ms.
 26 west. Bab. cat.
 27 Norfolk east. Stock cat.
 28 west. Miss Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton! Notcutt cat.
 33 Gloster east. Morley sp.
 34 west! Atwood sp.
 36 Hereford. Shawe sp.
 37 Worcester. Bagnall ms.
 38 Warwick. Lloyd sp.
 41 Glamorgan.
 54 Lincoln north!
 55 Leicester.
 56 Notts.
 58 Chester. "Robinson."
 63 York s. west. Gissing flo.
 [67 70; probably errors].

607 *Carduus* *heterophyllus*.

- 39 Stafford.
 41 Glamorgan.
 49 Carnarvon. Robinson cat.
 57 Derby! Bowman ms.
 58 Chester.
 59 Lanc. south. Goodlad hb.
 62 York n. east.
 63 s. west.
 64 m. west. Tatham sp.
 65 n. west. Ward cat.
 66 Durham. Storey sp.
 67 Northumberland.
 68 Cheviotland. Tate cat.
 69 Westmoreland!
 70 Cumberland!
 72 Dumfries. A. Sibbald sp.

- 75 Ayr. Duncan cat.
 76 Renfrew. Montgomery cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Lloyd sp.
 84 Linlithgow. Balfour cat.
 85 Fife. Syme cat.
 86 Stirling.
 87 Perth west. Syme cat.
 88 mid. E. Twining ms.
 89 east!
 90 Forfar!
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness! Stables cat.
 97 Westernness!
 98 Argyle. Ch. Bab. ms.
 99 Dunbarton. Hooker sp.
 100 Clyde-isles. Hennedy cat.
 102 Eb. south.
 94 north. Lawson cat.
 105 Ross west. Ch. Bab. ms.
 106 east. Gordon cat.
 107 Suth. east.
 108 west. Johnston ms.
 109 Caithness. Brown cat.
 [17 21 22 27 55; errors, perhaps through the mistake of giving this name to luxuriant examples of *C. pratensis*.]

608 Onopordum

Acanthium.

- 1 Corn. west.
 3 Devon south.
 4 north?
 6 Som. north. Collins ms.
 7 Wilts north. Flower cat.
 8 south.
 9 Dorset. Pleydell cat.
 10 Wight. Extinct?

- 11 Hants south!
 12 north.
 14 Sussex east. Hall cat.
 15 Kent east. Smith cat.
 16 west!
 17 Surrey! Pamplin ms.
 18 Essex south. Gibson flo.
 19 north. Varenne ms.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.*
 25 Suffolk east. Purchas ms.
 26 west. Bab. cat.
 27 Norf. east. Woodward ms.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Berkeley ms.
 35 Monmouth. Ch. Bab. ms.
 36 Hereford. Purchas flo.*
 37 Worcester.
 38 Warwick. Kirk cat.†
 39 Stafford. Garner n. h.
 40 Salop. Leighton cat.
 44 Carmarthen. Motley cat.†
 45 Pembroke. Babington cat.
 47 Montgom. Bowman ms.†
 49 Carnarvon. Robinson cat.†
 50 Denbigh?
 Lincoln. "Carrington."
 54 Leicester. Coleman flo.*
 56 Notts.
 58 Chester. Warren ms.
 69 Lanc. south! Tudor ms.*
 62 York n. east.
 64 m. west.
 65 n. west. Bot. n. y.*
 66 Durham. New flo.*
 71 Man. Forbes cat. "v. r."
 75 Ayr. Duncan cat.
 77 Lanark. "from gardens."
 80 Roxburgh.
 81 Berwick. "introduced."

82 Haddington! Maughan sp.
 83 Edinburgh. "introduced."
 85 Fife. J. B. Balfour.*
 (112 Shetland Flora†).
 N.B. The localities for this
 plant seem to be temporary
 at best; and often it occurs
 only as a casual, lasting
 very few years.

609 *Carlina**vulgaris.*

1 Corn. west! Cunnack cat.]
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Mansel cat.
 10 Wight! More cat.
 11 Hants south. Noteutt cat.
 12 north.
 13 Sussex west! Borrer cat.
 14 east! Coleman cat.
 15 Kent east! Smith cat.
 16 west. Pamplin ms.
 17 Surrey!
 18 Essex south. Varenne ms.
 19 north. Varenne ms.
 20 Herts. Fordham sp.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas ms.
 26 west. Bab. cat.
 27 Norfolk east. Stock cat.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 36 Hereford. Shawe sp.
 37 Worcester. Bagnall ms.

38 Warwick.
 39 Stafford!
 40 Salop. Leighton cat.
 41 Glamorgan. Barnard ms.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 48 Merioneth.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 53 Linc. south. Bloxam ms.
 54 north! Thompson ms.
 55 Leicester.
 56 Notts.
 57 Derby!
 58 Chester! Warren cat.
 59 Lanc. south. Bloxam ms.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham sp.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumberland.
 68 Cheviotland. Tate ms.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 73 Kirkcudbright. Lloyd ms.
 74 Wigton. Balfour sp.
 81 Berwick. Embleton sp.
 90 Forfar.
 91 Kinc. Mrs. Dickson ms.
 93 Aber. n. "found in 1872."
 95 Elgin. "Dr. Junes"; Gord.†
 00 Clyde-isles. Atkin sp.
 N.B. Occasionally misnamed
Carduus acaulis; thus leading
 to false records for that
 plant.

611 *Centaurea**nigra.*

Counties all, except only the
 usual nine. Rare and per-

haps an introduction by man in the three groups of North Isles. The radiate variety occurs in many counties, from Cornwall to Banff, but is most frequent in the south-western counties of England.

612 *Centaurea*

Cyanus.

Counties all, except 35 44 45
54 70 to 73 86 to 89 97
98 99 101 102 104 108
110 (111 112) with the
other nine.

613 *Centaurea*

Scabiosa.

1 Corn. west! Cunnack cat.
2 east. Briggs cat.
2 Devon south! Briggs cat.
4 north! Maw cat.
5 Som. south. Coleman cat.
6 north! Thwaites cat.
7 Wilts north. Flower cat.
8 south. Flower cat.
9 Dorset. Pleydell cat.
10 Wight! More cat.
11 Hants south! Notcutt cat.
12 north.
13 Sussex west! Borrer cat.
14 east!
15 Kent east! Smith cat.
16 west.
17 Surrey!
18 Essex south.
19 north. Varenne cat.
20 Herts. Coleman cat.
21 Middlesex!
22 Berks. Britten cat.
23 Oxford. Beesley cat.
24 Bucks. Britten cat.
25 Suffolk east. Bab. cat.
26 west.
27 Norfolk east.

28 Norfolk west. Bell sp.
29 Cambridge. Babington cat.
30 Bedford.
31 Hunts!
32 Northton. Notcutt cat.
33 Gloster east. Prentice cat.
34 west! Thwaites cat.
35 Monmouth. Watkins sp.
36 Hereford. Shawe sp.
37 Worcester.
38 Warwick. Kirk cat.
39 Stafford! Douglas cat.
40 Salop. Leighton cat.
41 Glamorgan.
44 Carmarthen. Motley cat.
45 Pembroke. Babington cat.
49 Carnarvon! Robinson cat.
50 Denbigh. Bowman cat.
51 Flint. Robinson cat.
52 Anglesea. Robinson cat.
53 Linc. south! Bloxam ms.
54 north! Bogg cat.
55 Leicester.
56 Notts.
57 Derby! Howitt cat.
58 Chester. "Mr. Astley."
59 Lanc. south. Tudor ms.
61 York s. east.
62 n. east. Baker cat.
63 s. west. Lees cat.
64 m. west. Tatham cat.
65 n. west. Ward sp.
66 Durham. Norman cat.
67 Northumberland.
68 Cheviotland.
69 Westmoreland!
70 Cumberland.
71 Man. J. Macnab ms.
76 Renfrew. Henneidy cat.†
77 Lanark. Henneidy cat.†
80 Roxburgh. "Rev. J. Baird."
82 Haddington. Balfour cat.
85 Fife. J. B. Balfour ms.
89 Perth east.
90 Forfar.
92 Aber. south. Dickie 1843.

95 Elgin. Gordon cat.†
 96 Easternness. Stables sp.
 08 Suth. west. "near Farr?"
 N.B. My notes shew this plant recorded only in one-fourth of the Scottish counties, and dubiously indigenous in some of those. Thus am I induced to place it among the less common, although so frequent in England.

615 Centaurea

Calcitrapa.

1 Corn. west. Cunnack cat.
 3 Devon south.
 5 Som. south.
 11 Hants south. Notcutt sp.
 13 Sussex west.
 14 east. Hall cat.
 15 Kent east. Smith cat.
 16 west!
 17 Surrey. Pamplin ms.
 25 Suffolk east.
 27 Norfolk east. Cooper sp.
 28 west.
 29 Cambridge.
 30 Bedford.
 32 Northton.
 41 Glamorgan. Pleydell ms.
 (18 19 20 66 67). [10 21
 62, extinct or erroneous;
 perhaps the like in some
 other counties].

617 Bidens

cernua.

1 Corn. west! Cunnack cat.
 2 east.
 3 Devon south!
 4 north. Maw cat.
 5 Som. south? Southby cat. co.
 6 north? "near Bath."
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.

10 Wight. More cat.
 11 Hants south!
 12 north!
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne ms.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Paget sp.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 34 Gloster west.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick! Kirk cat.
 39 Stafford. Douglas cat.
 49 Salop. Leighton cat.
 41 Glamorgan.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester. Bowman sp.
 59 Lanc. south! Webb cat.
 61 York s. east.
 62 n. east.
 63 s. west. "rarely."
 65 n. west. Ward sp.
 66 Durham.
 67 Northumb. Thompson sp.
 69 Westmoreland.

70 Cumberland.
 72 Dumfries. Gray cat.
 73 Kirkeudbright.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 83 Edinburgh. Syme sp.
 85 Fife.
 90 Forfar. Croall sp.
 91 Kincardine.
 94 Banff.
 95 Elgin. Gordon cat.
 99 Dunbarton.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.

618 Bidens

tripartita.

1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 6 Som. north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south!
 12 north!
 13 Sussex west. Borrer cat.
 14 east. Hall cat.
 15 Kent east! Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.

30 Bedford.
 32 Northton! Notcutt cat.
 33 Gloster east.
 34 west. Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford!
 40 Salop. Leighton cat.
 41 Glamorgan. Gordon sp.
 44 Carmarthen. Motley cat.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint! Robinson cat.
 52 Anglesea. Robinson cat.
 53 Lincoln south!
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Bowman sp.
 66 Durham. Norman cat.
 67 Northumberland.
 68 Cheviot. Embleton sp.
 69 Westmoreland.
 70 Cumberland.
 71 Man. Forbes cat.
 72 Dumfries. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 83 Edinburgh. Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. Kinross; Syme ms.
 87 Perth west. Syme cat.
 95 Elgin. "found in 1869."
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour sp.

**619 Eupatorium
cannabinum.**

Counties all, except 46 60 84
86 88 89 93 94 97 101
107 109 to 112. Not a
common plant in Scotland.

**620 Chrysocoma
linosyris.**

3 Devon south. Hore sp.
6 Som. north. Christy sp.
14 Sussex east. Hall cat.
49 Carnarvon. Babington sp.
(9 13; casual here).

**621 Diotis
maritima.**

1 Cornwall west.
3 Devon south.
9 Dorset.
10 Isle of Wight.
15 Kent east.
19 Essex north.
25 Suffolk east.
52 Anglesea. Robinson cat.
N.B. This has been recorded
from the eight counties enu-
merated. It has become ex-
tinct in most of them. "Oc-
casionally at Pakefield and
Southwold;" Flora of Suffolk.

**623 Artemisia
campestris.**

26 Suffolk west. Wardale sp.
27 Norfolk east.
28 west. Salmon sp.
29 Cambridge?
(66 85). [3 9 62].

**624 Artemisia
maritima.**

2 Corn. east. "reported."
3 Devon south.
4 north! Maw cat.
5 Som. south. Coleman cat.

6 Som. north. Collins ms.
9 Dorset?
10 Wight. More cat.
11 Hants south. Notcutt cat.
13 Sussex west! Warren ms.
14 east. Ranking sp.
15 Kent east! Smith cat.
16 west! Winch ms.
18 Essex south. Varenne ms.
19 north. Varenne ms.
25 Suffolk east. Purchas ms.
27 Norfolk east.
28 west.
29 Cambridge. Babington cat.
34 Gloster west! Cooper sp.
41 Glamorgan.
44 Carmarthen. Motley cat.
45 Pembroke. Babington cat.
46 Cardigan.
48 Merioneth.
49 Carnarvon. Robinson cat.
51 Flint. Robinson cat.
52 Anglesea. Robinson cat.
54 Linc. north! Howitt sp.
58 Chester! Hall sp.
59 Lanc. south.
60 west. Syme sp.
62 York n. east. Norman sp.
66 Durham. Bowman sp.
67 Northumberland.
68 Cheviot. Embleton cat.
69 Westmoreland.
70 Cumberland.
71 Man. J. Macnab ms.
73 Kirkcudbright. Lloyd ms.
74 Wigton.
75 Ayr. Duncan cat.
81 Berwick.
82 Haddington. Balfour cat.
90 Forfar. Gardiner sp.
91 Kincardine. "three loc."
93 Ab. north. "added in 1871."

**625 Artemisia
Absinthium.**

1 Corn. west! Cunnack cat.†

- 2 Corn. east. Briggs cat.†
- 3 Devon south. Briggs cat.†
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north? Flower cat.
- 8 south? Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north. Pamplin ms.
- 13 Sus. west? Borrer cat. co.
- 14 east? Borrer cat. co.
- 15 Kent east. Smith cat.
- 16 west!
- 17 Surrey.
- 18 Essex south. Varenne ms.
- 19 north. Varenne ms.
- 20 Herts. Coleman cat.†
- 21 Middlesex. Pamplin ms.
- 22 Berks.
- 23 Oxford. Beesley cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford. Isaac Brown sp.
- 33 Gloster east. Prentice cat.
- 34 west.
- 35 Monmouth. Conway cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Bree ms.
- 39 Stafford.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 48 Merioneth.
- 49 Carnarvon. Gordon ms.
- 50 Denbigh. Bowman cat.
- 52 Anglesea. Robinson cat.
- 53 Lincoln south! Introduced?
- 55 Leicester.
- 56 Notts.

- 58 Chester. Warren cat.†
- 62 York n. east. "denizen."
- 63 s. west. Lees cat.†
- 64 m. west. Lees cat.†
- 65 n. west. "denizen."
- 66 Durham. "denizen."
- 67 Northumberland. "den."
- 68 Cheviotland. "denizen."
- 71 Man. Forbes cat.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh. Balfour cat.
- 84 Linlithgow. Balfour cat.
- 85 Fife! Lawson ms.†
- 87 Perth west.
- 90 Forfar. "A. Croall."
- 11 Orkney. Syme sp.†
- 12 Shetland. Edm. flo.

N.B. This may be a native plant along the coast, and even some distance inland in the maritime counties; but all the truly inland localities are to be distrusted as really indigenous ones.

621 *Artemisia vulgaris*.

Counties all, except 32 46 86 97 107. Doubtless it is to be found in every county. Shetland "common."

627 *Gnaphalium dioicum*.

- 1 Corn. west! Hore ms.
- 3 Devon south. Briggs sp.
- 20 Herts. Fordham sp.
- 22 Berks.
- 23 Oxford.
- 26 Suffolk west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Harris sp.
- 32 Northton.
- 39 Stafford.

40 Salop.
 41 Glamorgan.
 42 Brecon.
 44 Carmarthen.
 45 Pembroke. Purchas ms.
 46 Cardigan.
 48 Merioneth.
 49 Carnarvon! Bloxam ms.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 53 Linc. south.
 55 Leicester.
 56 Notts.
 57 Derby. Howitt sp.
 58 Chester.
 59 Lanc. south.
 60 west. Simpson sp.
 62 York n. east. Baker cat.
 63 s. west.
 64 m. west. Tatham cat.
 65 m. west. Ward sp.
 66 Durham. Bowman sp.
 67 Northumb. Bowman sp.
 68 Cheviot. Embleton sp.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 71 Man. Macnab ms.
 72 Dumfries. Gray cat.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 78 Peebles.
 80 Roxburgh. Duncan cat.
 81 Berwick. Balfour sp.
 82 Haddington.
 83 Edinburgh! Balfour cat.
 85 Fife. Brand sp.
 86 Stirling. Hooker sp.
 87 Perth west. Syme cat.
 88 mid! Worsley cat.
 89 east!
 90 Forfar!
 91 Kincardine. Dickson ms.
 92 Aber. south. Dickie cat.

93 Aber. north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness! Stables cat.
 97 Westernness!
 98 Argyle. Hooker sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 03 mid. Stables sp.
 04 north. Ch. Bab. sp.
 05 Ross west. Ch. Bab. ms.
 06 east. Gordon cat.
 07 Suth. east!
 08 west! Graham sp.
 09 Caithness. Brown cat.
 10 Hebrides.
 11 Orkney. Gillies herb.
 12 Shetland. Tate sp.

630 *Gnaphalium sylvaticum*.

Counties all, except 2 4 5 6
 10 26 31 34 44 45 54 60
 72 86 101 110; probably
 to be found in most of
 these, if not in all.

680 *Gnaphalium norvegicum*.

Perth. Eng. Bot. ed. 3.
 90 Forfar. Brand sp.
 22 Ab. south. Backhouse sp.

631 *Gnaphalium supinum*.

86 Stirling. Hooker sp.
 87 Perth west.
 88 mid!
 89 east!
 90 Forfar! Gardiner sp.
 92 Aber. south! Dickie cat.
 94 Banff. Gordon ms.
 96 Easternness!
 97 Westernness!
 98 Argyle.

- 99 Dunbarton.
 06 Ross east. Gordon ms.
 08 Suth. west! Graham sp.
 [111 Orkney; Clouston].

632 Gnaphalium
uliginosum.

- Counties all, except 46 86 89
 97 98 106 107 108 110.

634 Filago
minima.

- Counties all, except 31 33 35
 41 46 54 57 60 69 71 72
 73 84 86 89 97 98 102
 104 108 to 112, with the
 usual nine others. Likely
 to be often overlooked; thus
 increasing the number of
 counties hitherto left non-
 recorded.

635 Filago
germanica.

- Counties all, except 46 60 69
 72 84 86 88 89 93 97 98
 99 102 104 107 to 112;
 thus seemingly on record
 for eleven only of the 28
 counties of North Britain.

635 Filago
apiculata.

- 11 Hants south.
 12 north!
 17 Surrey! Dr. Mateer sp.
 18 Essex south.
 19 north. Varenne sp.
 20 Herts.
 22 Berks.
 26 Suff. west. Babington sp.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford. Newb. oral.
 31 Hunts. Newbould cat.

- 37 Worcester.
 63 York s. west. Smith sp.

635 Filago
spathulata.

- 9 Dorset. Mansel-Pleydell.
 10 Wight! More sp.
 12 Hants north. Spicer ms.
 13 Sussex west.
 14 east!
 16 Kent west. Syme sp.
 17 Surrey! Syme sp.
 18 Essex south.
 19 north. Gibson sp.
 20 Herts.
 21 Middlesex!
 23 Oxford.
 24 Bucks. Britten sp.
 29 Cambridge. Babington sp.
 N.B. This and the preceding
 are recent segregates; their
 counties imperfectly on re-
 cord.

636 Petasites
vulgaris.

- Counties all, except 10 41 46
 71 86 to 89 97 to 99 104 to
 108 [109 110 111 112].
 Widely distributed, but
 scarcely a common plant.
 It has been recorded from
 Isla (Balfour) and Skye
 (Lawson). Also from the
 Hebrides (Balf. Bab.), from
 Orkney (Lowe), and from
 Shetland (Edmonston); in
 each of which there are
 grounds to infer that the
Tussilago was mistaken for
 the *Petasites*.

637 Tussilago
Farfara.

- Counties all, except 46 and the
 other nine. Nominally also

unrecorded for the Hebrides,
in Balfour and Babington's
list ; on which omission see
the preceding species.

638 *Erigeron* *alpinus*.

- 88 Perth mid. Maughan sp.
90 Forfar !
92 Aber. south. Dickie cat.

639 *Erigeron* *acris*.

- Cornwall. Pascoe "v.s. sp."
4 Devon north ? "Stewart."
5 Som. south. Alexander ms.
6 north ! Thwaites cat.
7 Wilts north. Flower cat.
8 south. Flower cat.
9 Dorset. Pleydell cat.
10 Wight ! More cat.
11 Hants south ! Notcutt cat.
12 north.
13 Sussex west ! Borrer cat.
14 east. Hall cat.
15 Kent east ! Smith cat.
16 west !
17 Surrey ! Mrs. Tickner sp.
18 Essex south. Varenne ms.
19 north.
20 Herts. Coleman sp.
21 Middlesex. Introduced ?
22 Berks.
23 Oxford.
24 Bucks. Britten cat.
25 Suffolk east.
26 west.
27 Norfolk east. Cooper sp.
28 west. Bell sp.
29 Cambridge. Babington cat.
30 Bedford.
32 Northton.
33 Gloster east. Prentice cat.
34 west ! Thwaites cat.
36 Hereford. Purchas cat.
37 Worcester.

- 38 Warwick. Kirk cat.
39 Stafford ! Bagnall ms.
40 Salop. Shawe sp.
41 Glamorgan.
44 Carmarthen. Motley cat.
45 Pembroke. Babington cat.
46 Cardigan.
49 Carnarvon. Robinson cat.
50 Denbigh. Bowman ms.
51 Flint ! Robinson cat.
52 Anglesea. Robinson cat.
54 Linc. north. Bogg cat.
55 Leicester. Bloxam sp.
56 Notts.
58 Chester ! Warren cat.
59 Lanc. south. Tudor ms.
60 west.
61 York s. east.
62 n. east.
63 s. west. Lees cat.
64 m. west. Lees cat.
65 n. west. Ward cat.
66 Durham. Norman cat.
67 Northumb. Storey sp.
68 Cheviotland.
69 Westmoreland.
90 Forfar. Croall sp.
(80 Roxburgh ; Berw. Proc.)

641 *Aster* *Tripolium*.

Counties all the maritime ones,
except 35 53 74 86 88 89
92 (extinct) 93 94 96 103
105 108 111 112. Record-
ed in 63 other maritime
counties.

642 *Solidago* *Virgaurea*.

Counties all, except 26 31 44
53 or 54 60 86 93 98.

643 *Senecio* *vulgaris*.

Counties all, except 97, with

the other nine usual exceptions.

644 *Senecio*

sylvaticus.

Counties all, except 31 35 57
60 84 86 93 98 108 110
112, with the other nine.

645 *Senecio*

viscosus.

14 *Sussex east*. Carr sp.†
25 *Suffolk east*. Varenne sp.
49 *Carnarvon*. Bab. sp.
63 *York s. west*. Lees cat.
66 *Durham*. Rev. J. Bigge sp.
67 *Northumb.* Storey sp.
68 *Cheviot*. Richardson sp.
70 *Cumberland*. Oliver sp.
73 *Kirkcudb.* Balfour sp.
77 *Lanark*. Hennedy cat.
81 *Berwick*. Border flo.
83 *Edinburgh!* Balfour cat.
85 *Fife*. Boswell Syme ms.
87 *Perth west*. Edin. flo.
90 *Forfar*. Gardiner flo.
99 *Dunbarton*. Hooker sp.
N.B. This has been reported
for numerous other counties;
but the mistake of giving
the name of this species to
examples of *S. sylvaticus* has
been so frequent that I hesi-
tate to enumerate any of the
following counties as cer-
tain; namely, 1 3 6 7 8
16 17 18 19 (21) 23 26
27 28 29 32 33 37 39 41
48 57 58 59 62 64 76 80
82 91 92 111; some of
these may be correct.

647 *Senecio*

erucifolius.

1 *Corn. west*. Cunnack cat.
2 *east*. Briggs cat.

3 *Devon south*. Briggs cat.
4 *north!* Maw cat.
5 *Som. south*. Coleman cat.
6 *north*. Thwaites cat.
7 *Wilts south*. Flower cat.
8 *north*. Flower cat.
9 *Dorset*. Pleydell cat.
10 *Wight!* More cat.
11 *Hants south!* Notcutt cat.
12 *north!*
13 *Sussex west!* Borrer cat.
14 *east!*
15 *Kent east!* Smith cat.
16 *west*.
17 *Surrey!*
18 *Essex south*.
19 *north*. Varenne cat.
20 *Herts*. Coleman cat.
21 *Middlesex!* Hind cat.
22 *Berks!* Britten cat.
23 *Oxford*. Beesley cat.
24 *Bucks*. Britten cat.
25 *Suff. east*. Purchas ms.
26 *west*.
27 *Norfolk east*.
28 *west*.
29 *Cambridge*. Babington cat.
30 *Bedford*.
31 *Hunts!* Newbould cat.
32 *Northton!* Notcutt cat.
33 *Gloster east*.
34 *west*. Thwaites cat.
36 *Hereford*. Purchas ms.
37 *Worcester*.
38 *Warwick*. Kirk cat.
39 *Stafford*.
40 *Salop*. Leighton cat.
41 *Glamorgan*.
45 *Pembroke*. Babington cat.
49 *Carnarvon*. Robinson cat.
50 *Denbigh*. Bowman cat.
51 *Flint!*
52 *Anglesea*. Robinson cat.
53 *Linc. south!*
54 *north!*
55 *Leicester*. Bloxam sp.

- 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb. cat.
 60 west. Syme sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Norman cat.
 67 Northumb. Bowman sp.
 68 Cheviotland.
 70 Cumberland?
 77 Lanark. Clydesdale flo.
 81 Berwick. Border flo.
 N.B. Common in South Britain; perhaps the same in England generally; very rare in Scotland.

648 Senecio**Jacobæa.**

Counties all, except only the usual nine.

648 Senecio**aquaticus.**

Counties all, except 35 86 93 97.

649 Senecio**paludosus.**

- 26 Suffolk west. "Hemsted."
 Norfolk. Eng. Bot. ed. 3.
 29 Cambridge. Marshall sp.
 53 Linc. south. "Banks."
 [58 Chester, an error].

651 Cineraria**palustris.**

- 25 Suffolk east.
 27 Norf. east. Paget sp.
 28 west. Marshall sp.
 29 Cambridge. Marshall ms.
 31 Hunts. Woodward in B. G.

- 53 Linc. south. "Banks."
 [1 or 2 39 41 48 59 or 60
 69; all errors?] Extinct
 in 29 and 31.

652 Cineraria**campestris.**

- 7 Wilts north. Flower cat.
 8 south. Southby sp.
 9 Dorset. Pleydell cat.
 10 Wight. Stratton sp.
 12 Hants north.
 13 Sussex west. Borrer cat.
 14 east.
 17 Surrey. Salmon sp.
 19 Essex north.
 20 Herts. Fordham sp.
 22 Berks.
 23 Oxford. Duthie sp.
 24 Bucks. Britten "v. sp."
 26 Suffolk west.
 29 Cambridge. Henslow sp.
 30 Bedford. Brown sp.
 32 Northton.
 33 Gloster east. Roberts ms.
 52 Anglesea. John Ball sp.
 [70 Robson in Phytol. v. 5].

655 Inula**Helenium.**

N.B. This conspicuous plant is recorded in more than sixty counties; although most frequently with some intimations of distrust in its real nativity. Many years ago (when less experienced) I deemed it wild on rough lands in West Cornwall; but in the Isle of Wight, and in Surrey, and even so far north as Ross, it seemed to be obviously an introduced plant. The witnesses for its true nativity are few; the most positive being in gene-

ral the least reliable of authorities on such a question, for instance, Dr. Bromfield. There are some real exceptions, however, for Mr. Baker declares it native in North Yorkshire; and Mr. Mansel-Pleydell thinks that such may be the case in Dorset. It has certainly been introduced into most of its counties; possibly not so into all of them; but I find their due allotment impracticable.

656 Inula

Conyza.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites sp.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Hall cat.
- 15 Kent east. Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south. Varenne ms.
- 19 north. Varenne cat.
- 20 Herts. Coleman sp.
- 21 Middlesex.
- 22 Berks. Britten cat.
- 23 Oxford. Harris sp.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Purchas ms.
- 26 west.
- 27 Norfolk east. Stock cat.
- 28 west. Bell sp.

- 29 Cambridge. Babington cat.
 - 30 Bedford.
 - 32 Northton.
 - 33 Gloster east. Prentice cat.
 - 34 west! Thwaites cat.
 - 35 Monmouth. Watkins sp.
 - 36 Hereford. Shawe sp.
 - 37 Worcester. Bagnall ms.
 - 38 Warwick. Kirk cat.
 - 39 Stafford! Bagnall ms.
 - 40 Salop. Leighton cat.
 - 41 Glamorgan.
 - 44 Carmarthen. Motley cat.
 - 45 Pembroke. Lees sp.
 - 46 Cardigan. Purchas ms.
 - 48 Merioneth.
 - 49 Carnarvon. Robinson cat.
 - 50 Denbigh. Bowman cat.
 - 52 Anglesea. Robinson cat.
 - 55 Leicester. Bloxam ms.
 - 56 Notts.
 - 57 Derby!
 - 59 Lanc. south.
 - 60 west. Simpson sp.
 - 62 York n. east.
 - 63 s. west. Lees cat.
 - 64 m. west. Lees cat.
 - 69 Westmoreland!
- (66 67, on ballast). [89].

657 Inula

crithmoides.

- 1 Corn. west. Cunnack cat.
- 2 east. Goulding sp.
- 3 Devon south.
- 6 Som. north. Collins ms.
- 9 Dorset. Rev. H. E. Fox sp.
- 11 Hants south. Notcutt cat.
- 13 Sussex west. Gibson sp.
- 15 Kent east. French sp.
- 18 Essex south. Varenne ms.
- 19 north. Syme sp.
- 34 Gloster west. Cooper sp.
- 41 Glamorgan.
- 44 Carmarthen? "One plant."
- 45 Pembroke. Stables sp.

- 49 Carnarvon. Robinson cat.
 52 Anglesea. Bowman sp.
 73 Kirkcudbright.
 74 Wigton. G. Macnab sp.
 [10 25 27; extinct or errors].

658 Inula**dysenterica.**

- 1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west! Borrer cat.
 14 east! Coleman cat.
 15 Kent east! Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suff. east. Purchas ms.
 26 west.
 27 Norf. east.
 28 west. Notcutt cat.
 29 Cambridge.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton! Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.

- 39 Stafford! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint! Robinson cat.
 52 Anglesea. Robinson cat.
 53 Linc. south.
 54 north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south. Webb cat.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey cat.
 68 Cheviot. Embleton sp.
 69 Westmoreland.
 70 Cumberland.
 71 Man. Forbes cat.
 74 Wigton.
 81 Berwick.
 82 Haddington. Syme sp.
 86 Stirling. J. B. Balf. ms.
 00 Clyde-isles. "Landsb."
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour sp.

659 Inula**Pulicaria.**

- 8 Wilts south. Bell sp.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south! Bromf. ms.
 12 north!
 13 Sussex west! Borrer cat.
 15 Kent east. Smith cat.
 17 Surrey! Coleman ms.

- 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman sp.
 21 Middlesex! Gibson ms.
 22 Berks.
 23 Oxford.
 25 Suffolk east? "Crabbe."
 27 Norfolk east.
 29 Cambridge.
 30 Bedford.
 31 Hunts. Newbould cat.
 36 Hereford. "rarely."
 37 Worcester. More ms.
 38 Warwick. Extinct?
 55 Leicester?
 [Somerset. York].

660 Bellis**perennis.**

Counties all, except the usual
 nine.

661 Chrysanthemum
segetum.

Counties all, except 31 86 98
 and the nine others.

662 Chrysanthemum
Leucanthemum.

Counties all, except 46 97 107
 110 and the nine others;
 doubtless to be found in
 every county.

663 Pyrethrum, or
Chrysanthemum
Parthenium.

Counties all, except 32 46 49
 51 54 60 71 to 75 88 93
 97 98 101 to 105 107 108
 110 to 112. Almost always
 now recorded as a more
 or less distrusted native;
 especially so in the more
 northern counties.

664 Chrysanthemum
Tanacetum.
T. vulgare.

Counties all, except 46 (51)
 54 60 69 84 97 98 99,
 with the usual nine others.
 Native and frequent in
 South Britain. It is so
 designated in the 'Botany
 of North Yorkshire' and
 in the 'New Flora of
 Northumberland and Dur-
 ham.' Unquestioned also
 in the Floras of the Clyde
 and Forth; but at best it
 is one of the doubtfully
 indigenous plants in Scot-
 land.

665 Pyrethrum, or
Chrysanthemum
inodorum.

Counties all, except 46 80 86
 98; doubtless does occur
 in these four, and in the
 other nine also. The
Pyrethrum maritimum is
 usually, if not always, repre-
 sented by a maritime state
 of *inodorum*.

666 Matricaria, or
Chrysanthemum
Chamomilla.

- 1 Corn. west. Cunnack cat.
 2 east. Pascoe cat.
 3 Devon south. Twining sp.
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Twining sp.
 10 Wight? More excl. list.
 11 Hants south! Notcutt cat.
 12 north.

- 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Notcutt cat.
 33 Gloster east.
 34 west. Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Bagnall ms.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 50 Denbigh.
 51 Flint! Robinson cat.
 52 Anglesea. Robinson cat.
 54 Lincoln north. Bogg cat.
 55 Leicester. Coleman cat.†
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester. Warren ms.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Bowman sp.
 66 Durham. Bowman sp.
 67 Northumb. Bowman sp.
 70 Cumberland.
 (75 77 83 85 91 97). [10

110 111]. Liable to a
 confusion with *Anthemis*
Cotula.

667 *Anthemis* *nobilis*.

- 1 Corn. west!
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north!
 5 Som. south. Coleman cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south! Notcutt cat.
 12 north! Baker cat.
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey! Wood ms.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman sp.
 21 Middlesex.
 22 Berks.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 27 Norfolk east.
 29 Cambridge.
 35 Monmouth. Conway cat.
 37 Worcester. Lees sp.
 38 Warwick. Bree ms.
 39 Stafford.
 40 Salop.
 41 Glamorgan?
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 48 Merioneth. "plentifully."
 52 Anglesea. "not rare."
 55 Leicester.
 56 Notts.
 59 Lanc. south. "Wilson."
 62 York n. east. Baker cat.

- 66 Durham. New flo.
 00 Clyde-isles. Galt ms.
 02 Eb. south. Balfour sp.
 04 north. Lawson cat.
 (51 81 109 111).

**668 Anthemis
 arvensis.**

- 2 Corn. east. Briggs cat.†
 3 Devon south. Briggs cat.†
 5 Som. south. Coleman cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south. Notcutt cat.
 12 north. Baker ms.
 13 Sussex west. Baker ms.
 14 east.
 16 Kent west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks!
 23 Oxford. Syme sp.
 24 Bucks. More ms.
 25 Suffolk east.
 26 west.
 27 Norfolk east. Mann sp.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 36 Hereford.
 37 Worcester?
 38 Warwick. Bagnall ms.
 40 Salop. Leighton cat.
 41 Glamorgan.
 48 Merioneth.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 55 Leicester. Bloxam cat.

- 56 Notts. Bidwell sp.
 58 Chester. Gordon sp.
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Ward sp.
 66 Durham.
 67 Northumberland.
 68 Cheviotland.
 70 Cumberland. Baker cat.
 77 Lanark. Hennedy cat.†
 80 Roxburgh.
 81 Berwick. Syme sp.
 82 Haddington. Balfour cat.
 83 Edinburgh! Syme sp.
 84 Linlithgow. Balfour cat.
 85 Fife.
 87 Perth west. Syme sp.
 90 Forfar. "Cruickshank."
 92 Aber. south. Roy ms.
 95 Elgin. Gordon sp.†
 96 Easternness. Stables cat.
 N.B. Apparently there is frequent confusion between this plant and *Cotula*; for instance, specimens of the latter came to my hands labelled as *arvensis* from Worcestershire and Middlesex.

**669 Anthemis
 Cotula.**

- 1 Corn. west.
 2 east. Briggs cat.†
 3 Devon south. Briggs cat.†
 4 north!
 5 Som. south. Coleman cat.
 6 north!
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Twining sp.
 10 Wight! More cat.
 11 Hants south!

- 12 Hants north !
 13 Sussex west ! Borrer cat.
 14 east ! Coleman cat.
 15 Kent east ! Smith cat.
 16 west.
 17 Surrey !
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex ! Hind cat.
 22 Berks ! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Paget sp.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts ! Newbould cat.
 32 Northton ! Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west !
 36 Hereford. Purchas cat.
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 53 Linc. south !
 54 north ! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester. Dugdale sp.
 59 Lanc. south. Webb cat.
 60 west ! Syme sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west.
 64 m. west. Lees cat.
 65 n. west. Ward sp.

- 66 Durham. Storey sp.
 67 Northumb. Bowman sp.
 68 Cheviotland.
 70 Cumberland. "reported."
 77 Lanark. Henneidy cat.†
 80 Roxburgh.
 82 Haddington. Macnab sp.
 83 Edinburgh.
 85 Fife. Gilbert Macnab sp.
 99 Dunbarton. Hooker sp.
 [90 111 112]. It would seem an error to include this abundant weed of England among the plants "not common," if we failed to notice its rarity in Scotland ; where, indeed, it is rather a casual than a true colonist.

670 Achillea**Ptarmica.**

Counties all, except 5 15 46 86 98 100, with the usual nine. Not very common ; though likely to occur in every county.

671 Achillea**Millefolium.**

Counties all, excepting only the usual nine. One of the most common and most widely diffused of our native plants.

675 Campanula**rotundifolia.**

Counties all, except 5 31 111, with the usual nine. Apparently absent from Orkney ; and recorded in the Shetland Flora for a single locality only.

676 Campanula
patula.

- 6 Som. north. Flower sp.
 7 Wilts north. Preston ms.
 8 south. Miss Bell sp.
 9 Dorset ?
 11 Hants south ? "Robinson."
 12 north. Salmon sp.
 13 Sussex west. Smith ms.
 16 Kent west ?
 17 Surrey. Ellis sp.
 34 Gloster west. Thwaites cat.
 35 Monmouth. Watkins sp.
 36 Hereford. Shawe sp.
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford. Ch. Bab. ms.
 40 Salop. Bidwell sp.
 41 Glamorgan ?
 42 Brecon. Gibson ms.
 55 Leicester. Ch. Bab. sp.
 56 Notts.
 57 Derby. Berkeley ms.
 62 York n. east. Baker cat.
 63 s. west.
 64 m. west.
 66 Durham ?
 69 Westmoreland ?
 (3 18 19 20 24 27 29 ;
 introduced, or partly er-
 rors ?)

677 Campanula

Rapunculus.

N.B. The only locality in which I have seen this plant, is the long-recorded one of Esher and Hersham ; around these two villages the plant is to be seen yearly in several spots, varying in place and quantity from year to year. Perhaps not well established in any other county, although reported for the following :—
 (1 5 12 13 16 to 22 24
 25 27 28 29 32 36 37 38

39 49 50 52 56 61 62 63
 66 85).

678 Campanula latifolia.

- 17 Surrey. Brewer sp.
 25 Suffolk east ? Stock cat.
 27 Norfolk east ?
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Notcutt cat.
 33 Gloster east. Roberts ms.
 34 west. Thwaites sp.
 35 Monmouth. Babington ms.
 36 Hereford. Purchas cat.
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford. Butler sp.
 40 Salop.
 43 Radnor.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 54 Linc. north. Thompson ms.
 55 Leicester. Church. Bab. sp.
 56 Notts. 68892
 57 Derby ! Howitt cat.
 58 Chester. Warren cat.
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Storey sp.
 67 Northumb. Bowman sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland !
 70 Cumberland ! Baker cat.
 71 Man. J. Macnab ms.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Montgomery ms.
 76 Renfrew. Henedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.

- 81 Berwick.
 82 Haddington ?
 83 Edinburgh. Balfour cat.
 85 Fife. Syme cat.
 86 Stirling. Gourlie sp.
 87 Perth west. Syme cat.
 88 mid. H. M. Balf. sp.
 89 east. H. M. Balf. sp.
 90 Forfar.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 99 Dunbarton. Hooker sp.
 02 Eb. south. Balfour cat.†
 [1 or 2 8 11 21 23; mostly
 errors through giving this
 name to *Trachelium*].

679 *Campanula* *rapunculoides*.

N.B. This is an alien, by nearly general assent, but it seems to have become fairly well established in some counties; in others it is met with simply as a casual escape from gardens, in which it readily becomes a troublesome weed. My collected notes show localities reported in these counties:—(9 11 17 21 23 30 33 34 37 38 55 56 58 62 63 64 67 82 83 85 89 90 92).

680 *Campanula* *Trachelium*.

- 2 Corn. east. Briggs cat.*
 3 Devon south.
 4 north!
 6 Som. north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.

- 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Borrer cat.
 14 east.
 15 Kent east. Smith cat.
 16 west! Sansom sp.
 17 Surrey! Ellis sp.
 18 Essex south.
 19 north. Varenne ms.
 20 Herts. Coleman cat.
 21 Middlesex. Kingsley sp.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west. Miss Bell sp.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton!
 33 Gloster east. Prentice cat.
 35 Monmouth. Gibson ms.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick. Bloxam ms.
 39 Stafford. Bagnall ms.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 49 Carnarvon. Robinson cat.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 55 Leicester.
 56 Notts.
 57 Derby. Howitt cat.
 62 York n. east. "Spruce."
 69 Westmorel. Gibson ms.
 75 Ayr. Duncan cat.
 77 Lanark. Hooker sp.
 82 Haddington.
 83 Edinburgh? Lloyd sp.
 85 Fife. Robertson sp.
 (68 86). [99 error for 86].

681 Campanula glomerata.

- 6 Som. north! Collins ms.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Trevelyan sp.
- 10 Wight! Miss Bell sp.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat. co.
- 14 east. Hall cat.
- 16 Kent west. Dennes sp.
- 17 Surrey! John Ellis sp.
- 18 Essex south.
- 19 north.
- 20 Herts. Coleman cat.
- 21 Middlesex. Harris herb.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 26 Suffolk west. Skepper ms.
- 28 Norf. west. Miss Bell ms.
- 29 Cambridge. Babington cat.
- 30 Bedford. S. Foster sp.
- 32 Northton.
- 33 Gloster east. Buckman sp.
- 37 Worcester.
- 38 Warwick.
- 40 Salop.
- 41 Glamorgan.
- 53 Lincoln south! Bloxam ms.
- 54 north. Bogg cat.
- 55 Leicester.
- 56 Notts.
- 57 Derby. Ley sp.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 65 n. west. Ward sp.
- 66 Durham. Bowman sp.
- 67 Northumb. Storey sp.
- 68 Cheviotland.
- 69 Westmoreland!
- 70 Cumberland.
- 82 Haddington. Balfour cat.

- 85 Fife! Boswell Syme sp.
- 90 Forfar. Croall sp.
- 91 Kincard. Mrs. Dickson cat.

683 Campanula hederacea.

- 1 Corn. west! Cunnack cat.
- 2 east. Pascoe cat.
- 3 Devon south! Briggs cat.
- 4 north! Clark ms.
- 5 Som. south. Coleman cat.
- 6 north.
- 8 Wilts south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south.
- 12 north. Ellis ms.
- 13 Sussex west.
- 14 east. Coleman sp.
- 16 Kent west. Tonb. flo.
- 17 Surrey. Salmon sp.
- 18 Essex south. Freeman sp.
- 22 Berks. "Bagley woods."
- 33 Gloster east. Roberts ms.
- 34 west. Purchas ms.
- 35 Monmouth. Conway sp.
- 36 Hereford.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford.
- 40 Salop. Woodward ms.
- 41 Glamorgan.
- 43 Radnor.
- 44 Carmarthen. Gordon sp.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Atwood sp.
- 47 Montgomery.
- 48 Merioneth. Gibson sp.
- 49 Carnarvon. Bowman ms.
- 50 Denbigh? Faun. Grust.
- 58 Chester.
- 59 Lanc. south. Webb cat.
- 63 York s. west. Leyland sp.
- 64 m. west?
- 71 Man. Jowett sp.
- 75 Ayr. Landsborough bot.

- 76 Renfrew. Hook. Scot.
98 Argyle. Clydesdale flo.

684 *Campanula* *hybrida*.

- 1 Corn. west. Warren ms.
2 east. Briggs cat.†
3 Devon south. Briggs cat.†
5 Som. south. Coleman cat.
6 north. Collins ms.
7 Wilts north. Flower cat.
8 south. Flower cat.
9 Dorset. Pleydell cat.
10 Wight. More cat.
11 Hants south?
12 north. Pamplin ms.
13 Sussex west. Borrer cat.
14 east. Trevelyan sp.
15 Kent east. Smith cat.
16 west!
17 Surrey!
18 Essex south. Varenne ms.
19 north. Varenne cat.
20 Herts. Coleman cat.
21 Middlesex. Casual?
22 Berks. Miss Bell ms.
23 Oxford. Beesley cat.
24 Bucks. Britten cat.
25 Suffolk east?
26 west. Bunbury sp.
27 Norfolk east. Bell sp.
28 west.
29 Cambridge. Henslow sp.
30 Bedford.
31 Hunts! Newbould cat.
32 Northton. Berkeley ms.
33 Gloster east. Prentice cat.
34 west?
36 Hereford. Purchas cat.†
38 Warwick. Leefe sp.
39 Stafford.
40 Salop.
53 Linc. south. Bloxam ms.
55 Leicester.
57 Derby.
61 York s. east.

- 62 York n. east. "Ibbotson."
63 s. west.
64 m. west. Baker sp.
65 n. west.
66 Durham. Norman cat.
82 Haddington. Balfour sp.
(58 85, casual; and scarcely
a true colonist in some
other of the more northerly
counties).

685 *Phyteuma* *orbiculare*.

- 7 Wilts north. Flower cat.
8 south. Flower sp.
9 Dorset. Pleydell, "certain."
11 Hants south.
12 north.
13 Sussex west! Crotch sp.
14 east! Hall cat.
Kent. "Beacon Hill."
17 Surrey! Ellis sp.
[21 63; require verification].

686 *Phyteuma* *spicatum*.

- 14 Sussex east. Miss Hall ms.
"Abounds in woods far
from any habitation"; Miss
Hall. (38 88).

687 *Jasione* *montana*.

- Counties all, with many excep-
tions, especially northward;
namely, 6 16 31 33 34
54 60 61 68 80 to 90 92
93 94 96 to 99 103 to 110.
Reported from Orkney, and
alleged to be "common" in
Shetland.

688 *Lobelia* *urens*.

- 3 Devon south. Gutch sp.

(Kent, one plant; Rev. J. Dix). Mr. T. B. Flower found it still growing near Axminster, in South Devon, in 1872.

689 Lobelia

Dortmanna.

- 49 Salop. Bloxam ms.
- 41 Glamorgan. "Dillwyn."
- 46 Cardigan.
- 48 Merioneth.
- 49 Carnarvon! Harris sp.
- 50 Denbigh. Bowman ms.
- 52 Anglesea. Robinson cat.
- 69 Westmoreland. Baker sp.
- 70 Cumberland!
- 72 Dumfries. Cruickshank sp.
- 73 Kirkeudbright. Gray cat.
- 75 Ayr. Duncan cat.
- 77 Lanark. Hennedy cat.
- 86 Stirling.
- 88 Perth mid. Worsley cat.
- 90 Forfar. Balfour sp.
- 91 Kincardine. Dickie sp.
- 92 Aber. south!
- 94 Banff. Gordon ms.
- 95 Elgin. Gordon sp.
- 96 Easternness. Stables cat.
- 98 Argyle. Trevelyan ms.
- 99 Dunbarton. Hooker sp.
- 00 Clyde-isles. Hennedy cat.
- 04 Eb. north. Ch. Bab. sp.
- 05 Ross west.
- 06 east. Gordon cat.
- 08 Suth. west! Graham sp.
- 09 Caithness. Brown cat.
- 10 Hebrides.
- 11 Orkney. Syme ms.
- 12 Shetland. Tate sp.

690 Erica

Tetralix.

Counties all, except 26 32 33 46 54 60, with seven of the usual nine. Is it actually

absent from 26 32 33?

691 Erica

ciliaris.

- 1 Corn. west! Cunnack sp.
 - 2 east. Pascoe cat.
 - 9 Dorset. Trevelyan sp.
- [12 17; through some error, probably, although specimens are shewn thus localized by their labels].

692 Erica

cinerea.

Counties all, except 30 31 32 33 54 60 61; and it may be really absent from some of the four first.

694 Erica

vagans.

Corn. west! Cunnack cat.
(3). [34 37 41 56 57 67 75; misreported or planted].

695 Calluna

vulgaris.

Counties all, except 54 60 71; doubtless to be seen in all these four and the nine others.

696 Menziesia

cærulea.

88 Perth mid. Brand sp.
Still there in 1866; Mr. Frederic Naylor.

698 Azalea

procumbens.

- 86 Stirling. Hooker sp.
- 88 Perth mid! Sadler sp.
- 89 east.
- 90 Forfar!
- 92 Aber. south! Dickie cat.
- 94 Banff. Gordon sp.

- 96 Easternness!
- 97 Westernness!
- 98 Argyle.
- 99 Dunbarton.
- 04 Eb. north. Gutch sp.
- 05 Ross west.
- 06 east. Gordon ms.
- 08 Suth. west! Graham sp.
- 11 Orkney. "Miss Boswell."
- 12 Shetland. Hewitson sp.
- [3. C. E. Moore, M.D.].
- [85. J. Anderson, D.D.].

699 *Andromeda* *polifolia*.

- 6 Som. north. Trevelyan sp.
- 28 Norfolk west.
- 31 Hunts. Berkeley ms.
- 39 Stafford!
- 40 Salop. Bloxam ms.
- 41 Glamorgan.
- 46 Cardigan. Lees sp.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh.
- 51 Flint. Robinson cat.
- 57 Derby. Church. Bab. sp.
- 58 Chester! Warren cat.
- 59 Lanc. south. Webb cat.
- 62 York n. east.
- 63 s. west. O. Moore sp.
- 64 m. west. Tatham cat.
- 67 Northumb. Thompson sp.
- 69 Westmoreland!
- 70 Cumberland.
- 72 Dumfries. Balfour sp.
- 73 Kirkcudbright. Gray cat.
- 75 Ayr.
- 76 Renfrew.
- 77 Lanark. Hennedy cat.
- 87 Perth west. Bushnan sp.
- [3 24. Hants; Eng. Bot.
- ed. 3; this name probably a
- misprint for Hunts].

700 *Arbutus* *alpina*.

- 88 Perth mid?
- 90 Forfar. Brand.
- 92 Aber. south.
- 96 Easternness.
- 97 Westernsss!
- 06 Ross east. Gordon sp.
- 08 Suth. west! Graham sp.
- 09 Caithness. Brown cat.
- 11 Orkney. Syme sp.
- 12 Shetland. Tate sp.
- [70 103 104 105; errors
- through mistaking the other
- species for this one; but 105
- seems likely to be correct].

701 *Arbutus* *Uva-ursi*.

- 57 Derby?
- 58 Chester?
- 62 York n. east?
- 63 s. west. Leyland sp.
- 65 n. west.
- 66 Durham. Bowman sp.
- 67 Northumberl. Winch sp.
- 69 Westmoreland.
- 70 Cumberland!
- 78 Peebles.
- 81 Berwick.
- 88 Perth mid. Worsley cat.
- 89 east! Wight sp.
- 90 Forfar! G. Macnab sp.
- 91 Kinc. Mrs. Dickson cat.
- 92 Aber. south! Dickie sp.
- 94 Banff. Gordon ms.
- 95 Elgin. Stables sp.
- 96 Easternness! Stables cat.
- 97 Westernness!
- 98 Argyle. Church. Bab. ms.
- 00 Clyde-isles. Hennedy cat.
- 02 Eb. south. Balfour sp.
- 03 mid.
- 04 north. Lawson cat.
- 05 Ross west.
- 06 east. Gordon cat.
- 08 Suth. west!
- 09 Caithness! Brown cat.

- 11 Orkney. Syme sp.
12 Shetland. Tate sp.

703 Vaccinium**Myrtillus.**

Counties all, except 7 16 19
24 25 26 28 29 31 32 33
46 53 54 60 98; in some
of these it appears to be
really wanting, *ex. gr.* in
Suffolk and Cambridge.

704 Vaccinium**uliginosum.**

- 66 Durham. G. S. Gibson sp.
67 Northumb. Oliver sp.
69 Westmoreland.
70 Cumberland.
88 Perth mid!
90 Forfar! Croall sp.
92 Aber. south! Dickie cat.
94 Banff. Gordon ms.
96 Easternness! Gordon sp.
97 Westernness!
98 Argyle! Hooker sp.
05 Ross west.
06 east. Gordon ms.
08 Suth. west!
11 Orkney. Syme sp.
12 Shetland.
[49 50 65; unsatisfactory].

705 Vaccinium**Vitis-Idæa.**

- 3 Devon south. "Buller."
18 Essex south. Extinct.
86 Hereford.
37 Worcester.
38 Warwick. Bagnall ms.
39 Stafford! Bagnall ms.
40 Salop. Lees sp.
41 Glamorgan.
42 Brecon. Lees sp.
44 Carmarthen. Motley cat.
48 Merioneth.
49 Carnarvon! Babington ms.

- 50 Denbigh! Bowman cat.
56 Notts.
57 Derby! Howitt cat.
58 Chester! Warren cat.
59 Lanc. south! Goodlad hb.
62 York n. east. Baker cat.
63 s. west. Leyland sp.
64 m. west. Tatham cat.
65 n. west.
66 Durham.
67 Northumb. Robertson sp.
68 Cheviotland. Tate cat.
69 Westmoreland!
70 Cumberland! Baker cat.
75 Ayr. Duncan cat.
76 Renfrew. Hennedy cat.
77 Lanark. Hennedy cat.
80 Roxburgh. Duncan cat.
81 Berwick.
83 Edinburgh! Balfour cat.
85 Fife. Lawson ms.
86 Stirling. Hooker sp.
87 Perth west! Syme cat.
88 mid! Worsley cat.
89 east!
90 Forfar!
91 Kincardine. Syme cat.
92 Aber. south! Dickie sp.
94 Banff.
95 Elgin. Gordon sp.
96 Easternness! Stables cat.
97 Westernness!
98 Argyle.
99 Dunbarton.
00 Clyde-isles. Hennedy cat.
04 Eb. north. Lawson cat.
06 Ross east. Stables ms.
07 Suth. east!
08 west!
09 Caithness. Brown cat.
10 Hebrides.
12 Shetland.

[6 15; errors or extinct].

706 Vaccinium**Oxycoccus.**

- 5 Som. south. Trevelyan ms.
 6 north. Collins ms.
 10 Wight. More ms. 1869.
 12 Hants north. Pamplin ms.
 13 Sussex west. Borrer in B.G.
 14 east. Coleman cat.
 17 Surrey. Salmon sp.
 18 Essex south. "French."
 25 Suffolk east.
 27 Norfolk east. Paget sp.
 28 west. Cooper sp.
 29 Cambridge. "now lost."
 31 Hunts. Newbould cat.
 37 Worcester? Extinct?
 38 Warwick. Lloyd sp.
 39 Stafford! Bagnall ms.
 40 Salop. Lees sp.
 41 Glamorgan.
 42 Brecon.
 44 Carmarthen.
 46 Cardigan. Atwood ms.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 53 Linc. south.
 54 north.
 56 Notts.
 57 Derby. Church. Bab. sp.
 58 Chester! Warren cat.
 59 Lanc. south. Ch. Bab. sp.
 62 York n. east.
 63 s. west. Leyland sp.
 64 m. west. Tatham cat.
 65 n. west.
 66 Durham.
 67 Northumb. Bowman sp.
 68 Cheviot. Embleton sp.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh.

- 81 Berwick.
 83 Edinburgh. Balfour cat.
 85 Fife. Boswell Syme sp.
 86 Stirling.
 87 Perth west. Syme sp.
 88 mid.
 90 Forfar! Croall sp.
 91 Kincardine.
 92 Aber. south! Dickie cat.
 94 Banff. John Roy ms.
 96 Easternness. Coll. Mor.
 04 Eb. north. Lawson cat.
 06 Ross east. "G. Smith."
 [4; perhaps by misnomer].

707 *Pyrola rotundifolia*.

- 15 Kent east. Smith cat.
 25 Suffolk east. Extinct.
 27 Norf. east. Woodward sp.
 28 west.
 39 Stafford. Douglas sp.
 40 Salop.
 59 Lanc. south. Hardy sp.
 60 west. Simpson sp.
 62 York n. east. Baker sp.
 65 n. west. Ward sp.
 66 Durham. Bowman sp.
 68 Cheviotland. Tate sp.
 78 Peebles? "Blackie."
 85 Fife. Dewar sp.
 89 Perth east. Lyon sp.
 90 Forfar! Croall sp.
 92 Aber. south. Dickie cat.
 [3 13 or 14 23 33 or 34 37
 63 69 70 73 75 77 81 83
 87 88 96 111 112; in most
 of these counties, if not in
 all of them, the *media* or
minor has been mistaken for
 the present rarer species].

708 *Pyrola media*.

- 13 Sussex ...? Borrer ms.
 37 Worcester. Prentice sp.

- 38 Warwick.
 39 Stafford.
 59 Lanc. south. Leyland sp.
 62 York n. east.
 63 s. west. Leyland sp.
 65 n. west.
 66 Durham.
 67 Northumberland.
 68 Cheviot. Embleton ms.
 70 Cumberland.
 73 Kirkcudbright. Grant sp.
 75 Ayr. Duncan cat.
 77 Lanark ? Hooker sp.
 80 Roxburgh.
 81 Berwick.
 82 Haddington. Balfour cat.
 85 Fife.
 ✓ 87 Perth west. Russell sp.
 90 Forfar ! Brand sp.
 91 Kincardine. "sp. seen."
 92 Aber. south ! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon sp.
 96 Easternness ! Stables sp.
 97 Westernness !
 03 Eb. mid. Gordon sp.
 06 Ross east. Gordon ms.
 09 Caithness. Brown cat.
 12 Shetland. Edmon. flo.
 [20 23 24 60 ; likely errors
 for *P. minor*].

709 *Pyrola* *minor*.

- 8 Devon south ?
 11 Hants south.
 15 Kent east. "Mr. Reeves."
 17 Surrey ! Ellis sp.
 20 Herts.
 22 Berks !
 23 Oxford. Sandys sp.
 24 Bucks. Britten cat.
 27 Norfolk east.
 28 west.
 30 Bedford.
 Gloster ... ? Stephens sp.
 36 Hereford. Purchas ms.
 37 Worcester. Prentice sp.
 38 Warwick. Kirk sp.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan. J. Hooker ms.
 49 Carnarvon. Robinson cat.
 52 Anglesea. "W. Morris."
 56 Notts.
 59 Lanc. south. Whalley sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Leyland sp.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Bowman sp.
 67 Northumb. Trevelyan sp.
 68 Cheviotland. Pringle sp.
 69 Westmoreland. Ottley hb.
 70 Cumberland.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 83 Edinburgh ! Balfour cat.
 84 Linlithgow.
 85 Fife. Lawson ms.
 87 Perth west. Syme cat.
 88 mid.
 90 Forfar ! Croall sp.
 91 Kincardine. Syme cat.
 92 Aber. south ! Dickie sp.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness. Stables sp.
 97 Westernness !
 00 Clyde-isles. Henedy cat.
 03 Eb. mid. Gordon sp.
 04 north.
 05 Ross west.
 06 east. Gordon cat.
 N.B. Occasionally misreported
 as *media* or *rotundifolia*.

710 Pyrola**secunda.**

- 65 York n. west. Pinder sp.
 68 Cheviotland. Tate ms.
 70 Cumberland! Bab. sp.
 72 Dumfries. "Walker."
 88 Perth mid.
 89 east!
 90 Forfar! Croall sp.
 91 Kincardine. Syme ms.
 92 Aber. south! Dickie cat.
 94 Banff. Gordon ms.
 95 Elgin. Gordon sp.
 96 Easternness. Stables sp.
 98 Argyle.
 04 Eb. north. Lawson cat.
 05 Ross west.
 06 east. Gordon cat.
 [13 64 67 75 76 77].

711 Pyrola**uniflora.**

- 88 Perth mid.
 89 east.
 Aberdeen.
 94 Banff.
 95 Elgin. Gordon sp.
 96 Easternness. "Macgillivray."
 06 Ross east. Gordon sp.
 07 Suth. east.
 10 Hebrides?
 [69 75 90; errors?].
 Possibly 88 89 may be one
 locality, in 88 only.

712 Monotropa**Hypopitys.**

- 5 Som. south. Collins ms.
 6 north. Dutton sp.
 7 Wilts north. Preston ms.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight.
 12 Hants north. Pamplin ms.
 12 Sussex west.
 14 east. Hall cat.

- 15 Kent east. Smith cat.
 16 west. Pamplin ms.
 17 Surrey. Reynolds sp.
 18 Essex south.
 19 north.
 20 Herts. Blow ms.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock sp.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 33 Gloster east. Stephens sp.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick?
 39 Stafford?
 49 Carnarvon. Robinson cat.
 Lincoln ...?
 56 Notts.
 58 Chester.
 59 Lanc. south. King sp.
 61 York s. east.
 63 s. west.
 46 m. w. "Cramound."
 65 n. w. Hebblethwaite.
 69 Westmoreland.
 93 Aber. north. Dickie ms.
 96 Easternness. Stables sp.
 [41 67; bad authority].

713 Ilex**Aquifolium.**

- Counties all, except 31 32 53
 60 86 88 89 93 98 99
 106 107 109 (110) 111 112.
 In several of the Highland
 counties it is reported to be
 doubtfully indigenous; also
 in Haddington and Edin-
 burgh. My own notes of
 1832 mark it as if seen wild
 in 97 and 108.

714 Ligustrum vulgare.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north.
- 13 Sussex west! Borrer cat.
- 14 east! Coleman cat.†
- 15 Kent east! Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Hind cat.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west. Notcutt cat.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west! Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.†
- 40 Salop.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Purchas ms.

- 49 Carnarvon. Robinson cat.
- 50 Denbigh. Bowman cat.
- 51 Flint. Robinson cat.
- 52 Anglesea. "sea-coast."
- 53 Lincoln south!
- 54 north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby! Howitt cat.
- 58 Chester! not wild.
- 59 Lanc. south. Webb cat.†
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west.
- 64 m. west. Tatham sp.
- 65 n. west. Ward sp.
- 66 Durham. Bowman sp.
- 67 Northumb. Storey ms.†
- 68 Cheviot. Embleton cat.
- 69 Westmoreland.
- 70 Cumberland! not wild.
- 72 Dumfries. Gray cat.†
- 73 Kirkeudbright. Gray cat.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.
- 77 Lanark. Hennedy cat.
- 80 Roxburgh. Duncan cat.
- 90 Forfar. Gardiner flo.

(81 83 85 87 91 92 94 95
100 101 102; expressly re-
ported as non-indigenous in
these counties; the rest will
stand on the authorities
cited). Certainly indigenous
in the chalk districts; per-
haps so on other calcareous
ground, and on coast cliffs.

715 Fraxinus excelsior.

Counties all, except 93 104
107 108 111 112. (85 87
90 91 92 94 95 101 102
109 110; reported uncer-
tainly indigenous in these
counties).

716 Vinca

minor.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.†
- 3 Devon south. Briggs cat.
- 4 north. Maw cat.
- 5 Som. south ?
- 6 north. Thwaites cat.*
- 7 Wilts north. Flower cat.*
- 8 south. Flower cat.*
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.†
- 11 Hants south. Bromf. cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west. Pamplin ms.
- 17 Surrey. Indigenous ?
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Hind cat.†
- 22 Berks.
- 23 Oxford. Baxter, "wild."
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.†
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Bab. cat.†
- 30 Bedford.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites.*
- 36 Hereford. Purchas ms.
- 37 Worcester. "wild."
- 38 Warwick. Kirk cat.
- 39 Stafford.
- 40 Salop.
- 41 Glamorgan. Barnard ms.
- 45 Pembroke. "wild ?"
- 47 Montg. "certainly wild."
- 49 Carnarvon. Robinson cat.†
- 52 Anglesea. Robinson cat.†
- 54 Linc. north. Bogg cat.†
- 55 Leicester.

- 56 Notts.
- 58 Chester. Robinson ms.
- 59 Lanc. south.
- 61 York s. east.
- 62 n. east. Baker cat.†
- 63 s. west.
- 64 m. west. Lees cat.†
- 65 n. west. "alien."
- 66 Durham. "alien."
- 67 Northumb. "alien."
- 68 Cheviot. "alien."
- 70 Cumberland ?
- 71 Man.
- 73 Kirkcud. Gray cat. co.*
- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.†
- 77 Lanark. Hennedy cat.†
- 81 Berwick. "naturalised."
- 83 Edinburgh. Balfour cat.
- 84 Linlithgow. Balfour cat.
- 85 Fife. Syme cat.* Lawson.*
- 90 Forfar. "naturalised."
- 92 Aber. south. Dickie cat.*
- 94 Banff.
- 95 Elgin. Gordon cat.*

N.B. I have never seen the Periwinkle in a certainly native state ; although seen quasi-wild in many counties. In the above full enumeration of counties both the alternative signs are used, as applied by the botanists quoted, or as suggested by their remarks.

718 Gentiana

verna.

- 65 York n. west.
 - 66 Durham. Bowman sp.
 - 69 Westmoreland ?
 - 70 Cumberland ?
- [24 61 ; by misnomers].

719 Gentiana

Pneumonanthe.

- 9 Dorset. Pleydell cat.
 11 Hants south ! Flower sp.
 12 north !
 13 Sussex west.
 14 east.
 17 Surrey !
 21 Middlesex ?
 22 Berks.
 25 Suffolk east.
 27 Norfolk east. Cooper sp.
 28 west.
 44 Carmarthen. Motley ms.
 49 Carnarvon. Robinson cat.
 52 Anglesea. Robinson cat.
 53 Lincoln south !
 54 north.
 55 Leicester. Bloxam ms.
 56 Notts.
 57 Derby.
 58 Chester ! Miss Beck sp.
 59 Lanc. south. Phillips sp.
 60 west. Simpson sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west.
 64 m. west. Kingsley sp.
 65 n. west.
 69 Westmoreland.
 70 Cumberland.

720 Gentiana
nivalis.

- 88 Perth mid. Gourlie sp.
 90 Forfar ! Brand sp.
 [97 Boue, in N.B.G.].

721 Gentiana
Amarella.

- 1 Corn. west ?
 2 east.
 3 Devon south.
 4 north.
 5 Som. south. Coleman cat.
 6 north ! Sawbridge sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.

- 9 Dorset. Pleydell cat.
 10 Wight ! More cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Warren ms.
 14 east. Hall cat.
 15 Kent east ! Wing sp.
 17 Surrey ! Wood ms.
 19 Essex north.
 20 Herts. Coleman cat.
 21 Middlesex.
 22 Berks.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west. Bunbury sp.
 27 Norfolk east. Cooper sp.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton.
 33 Gloster east. Prentice cat.
 34 west. Thwaites sp.
 35 Monmouth. Hort sp.
 36 Hereford. Watkins sp.
 37 Worcester. Lees sp.
 38 Warwick.
 39 Stafford !
 40 Salop. Bidwell sp.
 45 Pembroke. Babington sp.
 48 Merioneth.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 51 Flint.
 52 Anglesea. Robinson cat.
 54 Linc. north. Thompson ms.
 55 Leicester.
 56 Notts !
 57 Derby ! Howitt cat.
 58 Chester. Warren cat.
 59 Lanc. south. Tudor sp.
 60 west.
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.

65 York n. west. Bowman sp.
 66 Durham. Bowman sp.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland !
 70 Cumberland.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh ! J.B.Balf. ms.
 90 Forfar. Croall sp.
 92 Aber. south.
 93 north.
 95 Elgin. Gordon cat.
 02 Eb. south. Balfour sp.
 05 Ross west.
 08 Suth. west ! Campbell sp.
 09 Caithness ! Brown cat.
 11 Orkney. "Miss Boswell."
 12 Shetland.

721 *Gentiana*

germanica.

✓ Hants. Mrs. Russell sp.
 17 Surrey.
 Essex.
 20 Herts.
 22 Berks.
 24 Bucks.
 45 Pembroke.
 York.

N.B. The above counties are on record for this large-flowered variety; how far correct, and how many others ought to be added, my notes do not show. The station for Hants is "Watership chalk-pit;" the specimen received from the Botanical Society of London.

722 *Gentiana*

campestris.

1 Corn. west ! Cunnack cat.
 2 east. Pascoe sp.

3 Devon south. Briggs cat.
 6 Som. north ?
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight ! Very rare.
 20 Herts.
 22 Berks.
 23 Oxford. "Baxter, 1819."
 26 Suffolk west.
 27 Norfolk east. Woodward sp.
 28 west.
 30 Bedford.
 32 Northton.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan. Atwood ms.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington sp.
 48 Merioneth.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint.
 52 Anglesea. Robinson cat.
 54 Linc. north. Bogg cat.
 55 Leicester.
 56 Notts.
 57 Derby.
 58 Chester ! Warren cat.
 59 Lanc. south ! Tudor sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Bowman sp.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland !
 70 Cumberland.
 71 Man. Forbes cat.
 72 Dumfries.
 73 Kirkeud. Gray cat. co.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Hooker sp.

- 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour cat.
 85 Fife. Lawson ms.
 87 Perth west. Syme cat.
 88 mid! Worsley cat.
 89 east!
 90 Forfar! Gardiner sp.
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness! Stables cat.
 97 Westernness!
 98 Argyle. Church. Bab. sp.
 99 Dunbarton.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 03 mid. Burnett sp.
 04 north. Lawson cat.
 06 Ross east! Gordon cat.
 07 Suth. east!
 08 west!
 09 Caithness! Brown cat.
 10 Hebrides.
 11 Orkney. Gillies herb.
 12 Shetland. Tate sp.
 [4 12 13 14 16 21 24 33
 36 37; old authorities, not
 verified; but some of these
 counties may have been cor-
 rectly reported]. It is the
 rarity, and often uncertainty,
 of this plant in South Bri-
 tain, which cause it to be
 included among the "not
 common" plants; although
 frequent or even common in
 North Britain.

723 Cicendia**filiformis.**

- 1 Corn. west! Cunnack cat.

- 2 Corn. east. Pascoe cat.
 3 Devon south?
 9 Dorset. Pleydell cat.
 11 Hants south! Harris sp.
 13 Sussex west. Brewer sp.
 45 Pembroke. Babington cat.

724 Erythræa**Centaarium.**

- Counties all, except 86 88 89
 91 93 94 97 104 107 108
 109 111. Rare in Shetland.

724 Erythræa**littoralis.**

- 1 Corn. west.
 2 east. Pascoe cat.
 3 Devon south.
 4 north.
 6 Som. north. Cellins ms.
 10 Wight. Error.
 14 Sussex east.
 25 Suffolk east. Notcutt sp.
 41 Glamorgan.
 46 Cardigan.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 51 Flint. Whittaker sp.
 52 Anglesea.
 58 Chester. Warren ms.
 59 Lanc. south! Rylands sp.
 67 Northumberland?
 68 Cheviotland. Winch sp.
 69 Westm. Carrington sp.
 70 Cumberland.
 72 Dumfries.
 74 Wigton. Balfour sp.
 75 Ayr.
 82 Haddington. Balfour cat.
 91 Kincardine.
 93 Aber. north?
 94 Banff.
 95 Elgin.
 96 Easternness.
 98 Argyle.
 00 Clyde-isles. Balfour sp.

02 Eb. south. Balfour cat.

10 Hebrides.

12 Shetland.

N.B. A dwarfed state of the *Centaurium* is mistaken for this segregate, which includes two sub-forms besides. I have several specimens of the plant usually labelled "littoralis" in Moray, 95 96, but do not feel quite satisfied that they are not simply small states of *Centaurium*. The enumeration of counties must be accepted with caution; especially those left in blank for personal authorities.

724 *Erythræa pulchella*.

1 Corn. west. Bailey ms.

2 east. Briggs cat.

3 Devon south. Briggs cat.

4 north. Maw cat.

5 Som. south.

6 north. Collins ms.

9 Dorset. Fox sp.

10 Wight! More cat. Ward sp.

11 Hants south. Smith Corr.

13 Sussex west. Borrer cat.

14 east. Ranking sp.

15 Kent east. Smith cat.

17 Surrey! Coleman sp.

18 Essex south.

20 Herts. Coleman sp.

25 Suffolk east.

27 Norfolk east. Paget sp.

29 Cambridge. Babington cat.

30 Bedford.

37 Worcester.

41 Glamorgan. Henfrey sp.

44 Carmarthen. Motley ms.

45 Pembroke. Babington cat.

46 Cardigan.

48 Merioneth.

49 Carnarvon.

51 Flint.

52 Anglesea. Bowman sp.

54 Linc. north. Thompson ms.

58 Chester. Warren ms.

59 Lanc. south. Tudor sp.

60 west. Fielding sp.

61 York s. east.

72 Dumfries. Cruickshank sp.

82 Haddington. Balfour cat.

724 *Erythræa latifolia*, Sm.

59 Lanc. south. Tudor sp.

[1 2 3 4 9 10 13 14 45 46 48 52 58 66 67 70 97 103; errors through the mistake of transferring the name of Smith's plant to broad-leaved forms of *Centaurium*, not otherwise different]. The true plant of Smith, the segregate with *small* very crowded flowers, I still look upon as simply an abnormal or irregular growth of *Centaurium*, which may chance to occur in other places besides the Lancashire coast.

725 *Chlora perfoliata*.

2 Corn. east.

3 Devon south.

4 north! Maw cat.

5 Som. south. Coleman cat.

6 north! Thwaites cat.

7 Wilts north. Flower cat.

8 south. Flower cat.

9 Dorset. Pleydell cat.

10 Wight! More cat.

11 Hants south. Notcutt cat.

12 north.

13 Sussex west. Borrer cat.

14 east. Bromf. sp.

- 15 Kent east! Trevelyan sp.
 16 west! Dennes sp.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. T. B. Blow ms.
 21 Middlesex.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west. Bab. ms.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Berkeley ms.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Watkins sp.
 36 Hereford. Shawe sp.
 37 Worcester. Bagnall ms.
 38 Warwick. Bloxam ms.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 45 Pembroke. Purchas ms.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman ms.
 51 Flint! Robinson cat.
 53 Linc. south.
 54 north! Howitt sp.
 55 Leicester.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south! Ch. Bab. sp.
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west.

[67 70; verification needed].

**726 Villarsia
nymphaeoides.**

- 14 Sussex east. Bromf. sp.
 17 Surrey! Looks native in
 21 Middlesex! the Thames.
 22 Berks. Britten cat.
 23 Oxford. Fox sp.
 24 Bucks. Britten cat.
 28 Norfolk west.
 29 Cambridge. Babington cat.
 31 Hunts! Newbould cat.
 32 Northampton.
 (10 18 20 33 37 38 39 56
 58 62 67 69 70 77 81 89;
 probably or certainly intro-
 duced into all of these coun-
 ties; insufficiently vouched
 in some few of them).

**727 Menyanthes
trifoliata.**

Counties all, except 5 31 34
 46 53 86 97 99 107; pos-
 sibly may be absent from
 some two or three of these
 counties.

**728 Polemonium
cæruleum.**

- 39 Stafford.
 57 Derby! Christy sp.
 64 York m. west. Tatham sp.
 68 Cheviotland. Oliver sp.
 69 Westm. Baker bot. n. y.
 N.B. Clearly native in the
 limestone tracks of North
 England. Long a favourite
 plant in cottage gardens;
 and springing freely from its
 scattered seeds, it gives loose
 writers the chance to swell
 their local lists by enume-
 rating it, and often as if a
 truly wild plant. I do not
 know that the following
 enumeration will include
 only such records, nor whe-
 ther (if so) it will fully ex-

haust the series of records of the kind:—(1 3 6 7 8 17 20 21 22 23 32 33 34 35 36 38 39 40 49 50 55 58 62 63 65 66 70 71 72 73 75 77 81 82 83 84 85 87 90 92 94 100 102 109).

729 *Convolvulus arvensis*.

Counties all, except 46 60 69 72 73 (75 77) 80 84 87 88 89 93 94 (95 96) 97 98 99 (100) 101 to 112. Abundant in South Britain. Rare and dubiously indigenous in North Britain.

730 *Convolvulus sepium*.

Counties all, except 46 80 84 to 98 103 to 112. Recorded as an introduced plant in the following additional counties:—(81 85 87 88 89 90 95 109). Thus, almost general through England; and recorded as a native northward to the Forth and Clyde, and to the south-west extremity of North Britain.

731 *Convolvulus Soldanella*.

1 Corn. west! Cunnaek cat.
2 east. Briggs cat.
3 Devon south. Briggs cat.
4 north. Maw cat.
6 Som. north. Thwaites cat.
9 Dorset. Pleydell cat.
10 Wight! More cat.
11 Hants south.
Sussex. Borrer ms.
15 Kent east! Smith cat.
18 Essex south.

19 Essex north. Varenne sp.
25 Suffolk east.
27 Norfolk east. Paget sp.
28 west.
41 Glamorgan. Gutch sp.
45 Pembroke. Babington cat.
46 Cardigan. Darby ms.
48 Merioneth.
49 Carnarvon. Howitt sp.
52 Anglesea. Robinson cat.
54 Linc. north. Bogg cat.
58 Chester.
59 Lanc. south!
60 west. Syme sp.
61 York s. east.
62 n. east.
66 Durham. Bowman sp.
69 Westmoreland.
70 Cumberland. Addison sp.
71 Man. Forbes to Brand sp.
74 Wigton. Balfour sp.
75 Ayr ... ? to Twynam sp.
82 Haddington?
90 Forfar. "A. Croall."
97 Westernness?
00 Clyde-isles. Balfour sp.
01 Cantire. Balfour cat.
02 Islay. Balfour cat.

732 *Cuscuta europæa*.

3 Dev. south. Tate ms. 1871.
5 Som. south. Collins ms.
6 north. Bab. ms.
7 Wilts north. Flower cat.
9 Dorset. Pleydell cat.
10 Wight. More sp.
12 Hants north.
13 Sussex west.
14 east. Unwin sp.
17 Surrey!
18 Essex south.
19 north.
20 Herts. S. Lucas sp.
22 Berks. Britten cat.
23 Oxford. Beesley cat.

- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east.
- 28 west ?
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton.
- 33 Gloster east. Wintle ms.
- 37 Worcester. Lees sp.
- 38 Warwick. Bree ms.
- 55 Leicester. Bloxam cat.
- 58 Chester ?

[21 28 39 62 64 72 77 83
90 92; mostly errors?].

The name *europæa* appears to have been occasionally misapplied to examples of the other species; and thus only recent reports, by really competent botanists, can be satisfactorily relied upon in the case of this present species.

734 Cuscuta

Epithymum.

- 1 Corn. west! Cunnaack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 8 Wilts south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south! Notcutt cat.
- 12 north!
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south. Freeman sp.
- 19 north.
- 20 Herts.

- 21 Middlesex.
 - 22 Berks!
 - 23 Oxford. Beesley cat.
 - 24 Bucks. Britten cat.
 - 25 Suffolk east. Stock cat.
 - 26 west.
 - 27 Norfolk east. Cooper sp.
 - 28 west.
 - 29 Cambridge. Babington cat.
 - 30 Bedford.
 - 34 Gloster west. Thwaites cat.
 - 45 Pembroke.
 - 50 Denbigh.
 - 52 Anglesea. Bowman ms.
 - 55 Leicester.
 - 56 Notts.
 - 58 Chester.
 - 62 York n. east.
 - 68 Cheviotland.
 - 73 Kirkcudbright?
 - 75 Ayr. Duncan cat.
 - 83 Edinburgh?
- [77 "on flax."].

735 Cuscuta

Trifolii.

Reported for many counties, from South Devon to Perth; whether always re-introduced among the seeds of clover, or sometimes latent in the ground, it may be difficult to decide confidently. I have seen it on *Chenopodium urbicum* or *intermedium* in a farm-yard in Surrey.

736 Hyoscyamus

niger.

- 1 Corn. west! Cunnaack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north.
- 7 Wilts north. Flower cat.

- 8 Wilts south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north.
- 13 Sussex west! Borrer ms.
- 14 east.
- 15 Kent east! Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex!
- 22 Berks.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Purchas ms.
- 26 west.
- 27 Norfolk east.
- 28 west. Cooper sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west! Thwaites cat.
- 35 Monmouth. Ch. Bab. ms.
- 36 Hereford.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.†
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Purchas ms.
- 48 Merioneth.
- 49 Carnarvon. Robinson cat.†
- 50 Denbigh! Bowman cat.
- 52 Anglesea! Robinson cat.†
- 54 Lincoln north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby. Howitt cat.
- 58 Chester.

- 59 Lanc. south.
- 60 west. Simpson sp.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west.
- 64 m. west. Tatham cat.
- 65 n. west. Ward cat.
- 66 Durham. Norman cat.
- 67 Northumb. Bowman sp.
- 68 Cheviot. Embleton cat.
- 69 Westmoreland.
- 70 Cumberland.
- 71 Man. Forbes cat.
- 75 Ayr. Duncan cat.
- 76 Renfrew?
- 80 Roxburgh. Duncan cat.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh. Balfour cat.
- 85 Fife. Balf. & Sad. flo.
- 89 Perth east. "W. Gorrie."
- 90 Forfar. Gardiner flo.
(Introduced; Dickie Bot. G.
Not a native in the northern
counties; J. Roy ms.).

737 Solanum nigrum.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.†
- 3 Devon south.
- 4 north!
- 6 Som. north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.†
- 15 Kent east! Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.

- 21 Middlesex ! Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suff. east. Purchas ms.
 26 west. Babington ms.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 33 Gloster east. Prentice cat.
 34 west ! Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Fraser cat.
 40 Salop. Leighton cat.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint ! Robinson cat.
 52 Anglesea. Robinson cat.
 55 Leicester. Howitt ms.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester ! Warren cat.
 59 Lanc. south ! Webb cat.
 60 west. Syme sp.
 61 York s. east.
 62 n. east. "colonist."
 63 s. west.
 64 m. west.
 65 n. west. "colonist."
 66 Durham. "colonist."
 67 Northumb. "ballast hills."
 68 Cheviotland. "colonist."
 74 Wigton. Balfour sp.
 (75 80 81 83 85 98 100 ;
 introduced).

738 Solanum

Dulcamara.

Counties all, with many excep-
 tions northwards ; namely,

46 84 86 88 (91 to 94)
 97 98 99 101 104 107 to
 112, with the usual nine
 others. Prof. Dickie holds
 it an introduced plant in
 counties 91 to 94. Treated
 as a native in the Flora of
 Moray ; and equally so in
 the Floras of Clyde and
 Forth.

739 Atropa

Belladonna.

- 11 Hants south. Bromf. ms.
 12 north.
 13 Sussex west.
 15 Kent east. Smith cat.
 16 west. Pamplin ms.
 17 Surrey. Brewer sp.
 20 Herts. Coleman sp.
 21 Middlesex. Kingsley sp.
 22 Berks.
 23 Oxford. Christy ms.
 24 Bucks. Hurst ms.
 26 Suffolk west. Bunbury sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Ch. Bab. ms.
 33 Gloster east. Lees sp.
 34 west.
 35 Monmouth. Varenne ms.
 36 Hereford. "native" ; Bab.
 60 Lanc. west. Fielding ms.
 62 York n. east. "native."
 63 s. west.
 64 m. west. Baines sp.
 65 n. west. Ward sp.
 66 Durham. "denizen."
 67 Northumb. "denizen."
 68 Cheviotland. "denizen."
 69 Westmorel. Simpson sp.
 (2 3 4 5 6 7 8 9 [10] 18
 19 27 28 37 38 39 40 41
 45 50 55 56 57 70 72 75
 76 77 81 83 85 86 87 90
 95 [98] 103 ; ill vouched in

these counties, or reported thereas an uncertain native). This plant possibly may be indigenous in some of the chalk or limestone districts. The roots are long-lasting, and the seedling plants spring up freely in gardens; peculiarities which tend to establish the plant in localities to which it may have been originally carried by human hands. The localities on record for it afford not a few instances in illustration of the delusive manner in which superficial botanists have endeavoured to palm off the artificial as if genuinely indigenous localities.

740 *Verbascum* *Thapsus*.

- | | |
|------------------------------|--------------------------------|
| 1 Corn. west! Cunnaek cat. | 24 Bucks. Britten cat. |
| 2 east. Briggs cat. | 25 Suffolk east. Purchas ms. |
| 3 Devon south. Briggs cat. | 26 west. |
| 4 north! Maw cat. | 27 Norfolk east. |
| 5 Som. south. Coleman cat. | 28 west. Bell sp. |
| 6 north! Thwaites cat. | 29 Cambridge. Babington cat. |
| 7 Wilts north. Flower cat. | 30 Bedford. |
| 8 south. Flower cat. | 31 Hunts. Newbould cat. |
| 9 Dorset. Pleydell cat. | 32 Northton. Berkeley ms. |
| 10 Wight! More cat. | 33 Gloster east. Prentice cat. |
| 11 Hants south. Notcutt cat. | 34 west! Thwaites cat. |
| 12 north! | 35 Monmouth. Conway cat. |
| 13 Sussex west! Borrer cat. | 36 Hereford. Purchas cat. |
| 14 east. Coleman cat.† | 37 Worcester. |
| 15 Kent east. Smith cat. | 38 Warwick. Kirk cat. |
| 16 west. | 39 Stafford! Douglas cat. |
| 17 Surrey! | 40 Salop. Leighton cat. |
| 18 Essex south. | 41 Glamorgan. Barnard ms. |
| 19 north. Varenne cat. | 44 Carmarthen. Motley cat. |
| 20 Herts. Coleman cat. | 45 Pembroke. Babington cat. |
| 21 Middlesex! Hind cat.† | 49 Carnarvon! Robinson cat. |
| 22 Berks! Britten cat. | 50 Denbigh! Bowman cat. |
| 23 Oxford. Beesley cat. | 51 Flint! Robinson cat. |
| | 52 Anglesea. Robinson cat.† |
| | 55 Leicester. Coleman cat.† |
| | 56 Notts. |
| | 57 Derby! Howitt cat. |
| | 58 Chester! Warren cat. |
| | 59 Lanc. south. Webb cat. |
| | 61 York s. east. |
| | 62 n. east. Baker cat. |
| | 63 s. west. Lees cat. |
| | 64 m. west. Tatham cat. |
| | 65 n. west. Ward cat. |
| | 66 Durham. "native." |
| | 67 Northumberland. |
| | 68 Cheviot. Embleton sp. |
| | 69 Westmoreland! |
| | 70 Cumberland! |
| | 71 Man. Forbes cat. "v. r." |
| | 73 Kirkcud. Gray cat. co. |
| | 75 Ayr. Duncan cat. |
| | 76 Renfrew. Henedy cat. |
| | 77 Lanark. Henedy cat. |
| | 81 Berwick. |
| | 82 Haddington. |

- 83 Edinburgh. Balfour cat.
 84 Linlithgow. J. B. Balf. ms.
 85 Fife. Syme cat.* Lawson.
 86 Stirling. Syme sp.
 87 Perth west. Syme ms.
 90 Forfar.
 92 Aber. south. Dickie cat.*
 95 Elgin. Gordon cat.*
 96 Easternness. Stables cat.*
 00 Clyde-isles. Hennedy cat.
 09 Caithness. Brown cat.*

741 Verbascum**Lychnitis.**

- 5 Som. south. Bab. in Gaz.
 6 north. Bath flo.
 13 Sussex west. Borrer ms:
 16 Kent west. Syme sp.
 17 Surrey. Brewer sp.
 20 Herts. Webb flo.
 22 Berks. Britten cat.
 50 Denbigh. Bowman ms.
 (1 3 4 5 7 10 21 24 25
 26 27 29 33 37 39 40 56
 65 85 86 88 99; partly
 misnomers of the species,
 partly counties into which
 it has been introduced).

742 Verbascum**pulverulentum.**

- 25 Suffolk east. Skepper flo.
 26 west. Bromfield sp.
 27 Norfolk east. Fitt sp.
 28 west. Bell sp.
 [3 10 12 17 56 63 94;
 introduced or erroneous].

743 Verbascum**nigrum.**

- 1 Corn. west!
 2 east. Briggs cat.
 3 Devon south.
 4 north.
 5 Som. south. Collins ms.
 7 Wilts north. Flower cat.

- 8 Wilts south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south! Notcutt cat.
 12 north. Pamplin ms.
 13 Sussex west! Baker ms.
 14 east.
 16 Kent west! Pamplin ms.
 17 Surrey! Ellis ms.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex!
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Cooper ms.
 26 west. Miss Bell sp.
 27 Norfolk east. Stock ms.
 28 west. Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton.
 33 Gloster east.
 34 west. Stephens sp.
 36 Hereford.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop.
 41 Glamorgan.
 49 Carnarvon. Robinson cat.
 55 Leicester. Coleman cat.
 56 Notts.
 57 Derby. Bowman ms.
 (62 65 66 67 68 81 82 83
 85).

746 Veronica**spicata.**

- 26 Suffolk west. Miss Bell sp.
 29 Cambridge. Extinct.
 [1 3 4 18 33 41 70 111;
 misnomers? 34 49 51 69;
 the other segregate only?].

**746 Veronica
hybrida.**

- 6 Som. north. Error?
 34 Gloster west! Thwaites sp.
 43 Radnor. Purchas 1852.
 47 Montgom. Bowman sp.
 48 Merioneth. Butler sp.
 49 Carnarvon. Howitt sp.
 51 Flint.
 69 Westm. Rev. G. Pinder ms.

**747 Veronica
arvensis.**

- Counties all, except 46 97 109,
 with the other nine; doubt-
 less to be found in every
 county.

**748 Veronica
verna.**

- 25 Suff. east. Eng. Bot. ed. 3.
 26 west. Bunbury sp.
 27 Norfolk east. Salmon sp.
 28 west. Trimmer flo.
 [14 Bot. Gaz. i. 307].
 [50 Faunula Grustensis].

**749 Veronica
triphyllus.**

- 25 Suffolk east.
 26 west. Wardale sp.
 27 Norfolk east.
 28 west. Miss Bell sp.
 63 York s. w. "G. E. Smith."
 64 m. w. Thompson sp.
 [38 Midland Flora].

**750 Veronica
serpyllifolia.**

- Counties all, except 107, with
 the usual nine; doubtless to
 be found in every county.

**750 Veronica
humifusa.**

- 49 Carnarvon?

- 50 Denbigh.
 68 Cheviotland.
 69 Westmoreland?
 88 Perth mid!
 90 Forfar!
 92 Aber. south!
 96 Easternness!
 97 Westernness!
 08 Suth. west.

**751 Veronica
alpina.**

- 86 Stirling. "Ben Lomond."
 88 Perth mid. "Ben Lawers."
 90 Forfar! Brand sp.
 92 Aber. south!
 94 Banff. "Ben Avon."
 96 Easternness. "Badenoch."
 97 Westernness!

**752 Veronica
saxatilis.**

- 88 Perth mid! Maughan sp.
 89 east.
 90 Forfar! Brand sp.
 97 Westernness? "Nevis."
 98 Argyle? Dr. Walker.
 08 Suth. west?

**753 Veronica
scutellata.**

- Counties all, except 6 32 34
 46 53 54 60 72 84 86 88
 97 99 102 110; likely to
 occur in most of these.

**754 Veronica
Anagallis.**

- Counties all, except 46 60 71
 84 86 88 89 94 97 98 99
 104; likely to occur in several
 of these counties. Some
 confusion between this and
 the preceding species in the
 Shetland lists; do both
 occur there?

755 Veronica Beccabunga.

Counties all, except 86 97 98
108, with the other nine;
and most likely it may be
found in every county. See
the preceding.

756 Veronica officinalis.

Counties all, except 35 46 60
107, with the other nine;
doubtless it grows in every
county.

757 Veronica montana.

1 Corn. west. Cunnack cat.
2 east. Briggs cat.
3 Devon south. Briggs cat.
4 north!
5 Som. south. Coleman cat.
6 north. Thwaites cat.
7 Wilts north. Flower cat.
8 south. Flower cat.
9 Dorset. Pleydell cat.
10 Wight! More cat.
11 Hants south. Pamplin ms.
12 north.
13 Sussex west. Weaver sp.
14 east. Coleman cat.
15 Kent east. Smith cat.
16 west.
17 Surrey!
18 Essex south.
19 north. Varenne cat.
20 Herts. Coleman cat.
21 Middlesex. Hind cat.
22 Berks. Britten cat.
23 Oxford.
24 Bucks. Britten cat.
25 Suffolk east. Stock cat.
26 west.
27 Norfolk east.
28 west.

29 Cambridge. Babington cat.
30 Bedford.
31 Hunts. Newbould cat.
33 Gloster east. Purchas cat.
34 west. Thwaites sp.
35 Monmouth. Conway cat.
36 Hereford. Church. Bab. sp.
37 Worcester. Bagnall ms.
38 Warwick. Kirk cat.
39 Stafford. Fraser cat.
40 Salop. Leighton cat.
41 Glamorgan.
44 Carmarthen. Motley cat.
45 Pembroke. Babington cat.
49 Carnarvon! Robinson cat.
50 Denbigh. Bowman cat.
51 Flint. Robinson cat.
52 Anglesea. Robinson cat.
55 Leicester. Coleman cat.
56 Notts.
57 Derby. Howitt cat.
58 Chester! Warren cat.
59 Lanc. south. Goodlad hb.
62 York n. east. Baker cat.
63 s. west. Leyland sp.
64 m. west. Tatham cat.
65 n. west. Ward cat.
66 Durham. Storey cat.
67 Northumb. Storey sp.
68 Cheviotland. Pringle sp.
69 Westmoreland.
70 Cumberland! Baker cat.
72 Dumfries. Gray cat.
73 Kirkcudbright. Gray cat.
76 Renfrew. Hennedy cat.
77 Lanark. Hooker sp.
80 Roxburgh.
81 Berwick.
82 Haddington. Balfour cat.
83 Edinburgh. Brand sp.
86 Stirling.
90 Forfar.
94 Banff.
95 Elgin. Gordon cat.
96 Easterness. Stables sp.
99 Dunbarton?

04 Eb. north. Lawson cat.

758 Veronica

Chamædrys.

Counties all, except 46 110, with the other nine. Probably in every county, although it may be that 110, Hebrides, is a real exception to comital generality.

759 Veronica

hederifolia.

Counties all, except 46 53 60 69 71 86 98 100 102 104 107 to 110, with the other nine; most likely in all these counties.

760 Veronica

agrestis.

Counties all, except 41 46 84 97 104 107 108, with the usual nine; likely to be found in every county.

761 Veronica

polita.

- 1 Corn. west!
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south!
- 12 north.
- 13 Sussex west! Borrer cat.
- 14 east! Warren ms.
- 15 Kent east!
- 16 west!
- 17 Surrey!
- 18 Essex south.

19 Essex north. Varenne cat.

20 Herts. Coleman cat.

21 Middlesex. Hind cat.

22 Berks.

23 Oxford. Beesley cat.

24 Bucks. Britten cat.

25 Suffolk east. Stock cat.

26 west.

27 Norfolk east.

28 west. Notcutt cat.

29 Cambridge. Babington cat.

31 Hunts! Newbould cat.

32 Northton!

33 Gloster east. Prentice cat.

34 west! Thwaites cat.

36 Hereford. Purchas cat.

37 Worcester.

38 Warwick. Kirk cat.

40 Salop. Leighton cat.

41 Glamorgan. Leighton cat.

44 Carmarthen. Motley cat.

45 Pembroke. Babington cat.

49 Carnarvon! Robinson cat.

50 Denbigh. Bowman cat.

51 Flint! Robinson cat.

52 Anglesea! Robinson cat.

53 Lincoln south!

54 north!

55 Leicester. Bloxam sp.

56 Notts.

57 Derby. Bloxam ms.

58 Chester! Warren cat.

59 Lanc. south.

61 York s. east.

62 n. east.

63 s. west.

64 m. west. Tatham cat.

65 n. west. Ward sp.

66 Durham. Storey cat.

67 Northumb. Bowman sp.

68 Cheviot. Embleton cat.

70 Cumberland. Baker cat.

72 Dumfries. Gray cat.

73 Kirkcudbright. Gray cat.

77 Lanark. Hooker sp.

81 Berwick.

- 82 Haddington.
- 83 Edinburgh ! Balfour cat.
- 84 Linlithgow.
- 85 Fife. Syme cat.
- 87 Perth west.
- 90 Forfar.
- 99 Dunbarton. Hooker sp.
- 01 Cantire. Balfour cat.
- 09 Caithness. Brown cat.

N.B. This would rank more properly among the "Common plants," unless its apparently few counties of North Britain should turn out to indicate many actual blanks in its areal distribution. It is little more than forty years since the *polita* became separated from the *agrestis* in our local lists; and thus is the former less frequently reported under its distinctive name.

762 Veronica

Buxbaumii.

- 1 Corn. west. Cunnack.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 12 Hants north.
- 13 Sussex west. Borrer cat.
- 14 east. Hall cat.
- 15 Kent east ! Berkeley ms.
- 17 Surrey ! Well established.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Warner sp.
- 21 Middlesex. Hind cat.
- 22 Berks. Boswell Syme sp.

- 23 Oxford. Borrer ms.
- 24 Bucks. Britten cat.
- 26 Suffolk west. Coleman sp.
- 27 Norfolk east. Paget sp.
- 29 Cambridge. Babington cat.
- 34 Gloster west. Purchas ms.
- 36 Hereford.
- 38 Warwick. Kirk cat.
- 40 Salop.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke.
- 46 Cardigan. Atwood sp.
- 49 Carnarvon. Robinson cat.
- 55 Leicester. Bloxam sp.
- 58 Chester. Warren cat.
- 59 Lanc. south.
- 60 west !
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west.
- 65 n. west. Ward cat.
- 66 Durham. "colonist."
- 67 Northumb. Bowman sp.
- 68 Cheviotland.
- 72 Dumfries. Gray cat.
- 77 Lanark. Hooker sp.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh. Balfour sp.
- 85 Fife. Boswell Syme sp.
- 87 Perth west.
- 92 Aber. south. Dickie cat.
- 95 Elgin. Gordon cat.
- 00 Clyde-isles.

N.B. A colonist in Britain, during the present (middle) half-century, say, 1825—1873; and already met with as frequently, and as well established in tillage fields, as are several others which have been reckoned British plants for a whole century or two. Of course, always

reported as an introduced plant.

763 Bartsia
alpina.

- 64 York mid. Tatham sp.
65 north.
66 Durham. Trevelyan sp.
69 Westmoreland.
88 Perth mid. Gourlie sp.
97 Westernness ?
Ross ... ?

764 Bartsia
viscosa.

- 1 Corn. west ! Warren sp.
2 east. Briggs cat.
3 Devon south. Briggs cat.
4 north.
9 Dorset. Pleydell cat.
10 Wight. More sp.
11 Hants south.
14 Sussex east.
41 Glamorgan.
49 Carnarvon. Robinson cat.†
58 Chester. Warren ms.
59 Lanc. south. Bean sp.
60 west. Fielding ms.
73 Kirkeudbright. Gray cat.
74 Wigton. Balfour sp.
76 Renfrew. Henedy cat.†
98 Argyle.
99 Dunbarton. Hooker sp.

765 Bartsia
Odontites.

- Counties all, except 46 86 98
107 112. Perhaps really
absent from Shetland, no.
112.

766 Euphrasia
officinalis.

- Counties all, except 46 86 98.
No doubt it occurs in every
county.

767 Rhinanthus
Crista-galli.

- Counties all, except 46 53 73
86 98 107 109.

767 Rhinanthus
C.-g. major.

- 14 Sussex east. Borrer ms.
39 Stafford. Douglas cat.
55 Leicester.
56 Notts.
61 York s. east.
62 n. east. Baker cat.
63 s. west.
64 m. west.
65 n. west. Ward sp.
66 Durham. Bowman sp.
67 Northumb. Bowman sp.
69 Westmoreland.
81 Berwick.
85 Fife. Balfour cat.
90 Forfar. Carnegie sp.
95 Elgin. Gordon cat.
96 Easternness. Stables sp.
12 Shetland ?
[Cornwall ? Gloster ?].

768 Melampyrum
cristatum.

- 11 Hants south. Pamplin ms.
19 Essex north. Gibson sp.
20 Herts.
26 Suffolk west. Bell sp.
28 Norfolk west. Notcutt cat.
29 Cambridge. Babington cat.
30 Bedford. Payne sp.
31 Hunts. Bree sp.
32 Northton. Henslow sp.
[24 37 40 63; these four
counties require verifica-
tion].

769 Melampyrum
arvense.

- 10 Wight. More sp.
19 Essex north. Gibson sp.

20 Herts. One locality in flo.
 26 Suffolk west. Skepper flo.*
 27 Norf. east.
 28 west. Munford flo.*
 [9 33 38 58; four counties
 needing verification].

**770 Melampyrum
 pratense.**

Counties all, except 31 46 53
 56 60 71 98 107 112.

**771 Melampyrum
 sylvaticum.**

65 York n. west. Baker sp.
 66 Durham.
 69 Westmoreland. "Woods."
 70 Cumberland. "Woods."
 73 Kirkeudb. G. Lloyd ms.
 75 Ayr. Duncan cat.
 80 Roxburgh. "A. Jerdon."
 81 Berwick.
 88 Perth mid! Stables sp.
 89 east. Brand sp.
 90 Forfar.
 91 Kincardine.
 92 Aber. south! Gordon sp.
 94 Banff. J. Roy ms.
 95 Elgin?
 96 Easternness. Stables sp.
 99 Dunbarton. Syme!
 06 Ross east.
 09 Caithness.
 [3 6 34 35 36 38 40 48
 49 50 57 58 62 83 111;
 these counties have been
 recorded on authority that
 is insufficient, taking into
 account the frequent mis-
 take of giving the name
sylvaticum to examples of
pratense].

**772 Pedicularis
 palustris.**

Counties all, except 6 53 60

86 99, and usual nine.

**773 Pedicularis
 sylvatica.**

Counties all, except 31 60 86.

**774 Scrophularia
 nodosa.**

Counties all, except 46 86 97
 107 108 111 112.

**775 Scrophularia
 Balbisii.**

1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south! Briggs sp.
 4 north!
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west! Borrer cat.
 14 east! Coleman cat.
 15 Kent east! Smith cat.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Paget sp.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton! Notcutt cat.
 33 Gloster east. Prentice cat.

- 34 Gloster west! Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas cat.
 40 Salop. Leighton sp.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Purchas ms.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman sp.
 51 Flint!
 52 Anglesea. Robinson cat.
 53 Linc. south!
 54 north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester! Warren ms.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west.
 64 m. west.
 65 n. west. Ward cat.
 66 Durham.
 67 Northumb. Storey cat.
 68 Cheviotl. Embleton cat.
 69 Westmoreland?
 81 Berwick. One locality.
 83 Edinburgh?

[76 77 84 85 87 111; require verification; perhaps in all these counties the *Ehrharti* was the plant seen, excepting Orkney likely altogether erroneous.

775 *Scrophularia Ehrharti*.

- 14 Sussex east.
 21 Middlesex. Extinct.
 36 Hereford. Purchas ms.
 38 Warwick. Bromwich sp.
 39 Stafford.

- 40 Salop. Babington ms.
 60 Lanc. w.? "near Preston."
 64 York m. west. Tatham sp.
 65 n. west.
 70 Cumberland?
 76 Renfrew?
 77 Lanark. Hennedy ms.
 80 Roxburgh.
 81 Berwick.
 83 Edinburgh. Balfour cat.
 84 Linlithgow. Brand sp.
 [1 or 2 22 24; dubious].

776 *Scrophularia Scorodonia*.

- 1 Corn. west! Greenwood sp.
 2 east.
 3 Devon south. Hore sp.
 [20 "Gough's Camden"].

778 *Digitalis purpurea*.

Counties all, except 29 31 32 33 53 60 107 112; apparently quite absent from some few of these counties, notably Cambridge.

780 *Antirrhinum Orontium*.

- 1 Corn. west! Cunnack cat.
 2 east. Pascoe cat.
 3 Devon south. Briggs cat.†
 4 north.
 5 Som. south. Coleman cat.
 6 north.
 7 Wilts north. Flower cat.
 8 south. Miss Bell sp.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south! Bromf. ms.
 12 north!
 13 Sussex west. Borrer cat.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey!

- | | |
|--------------------------------|--------------------------------|
| 18 Essex south. | 16 Kent west. |
| 19 north. Varenne sp. | 17 Surrey! |
| 20 Herts. Coleman sp. | 18 Essex south. |
| 21 Middlesex. | 19 north. Hall sp. |
| 22 Berks! Britten cat. | 20 Herts. Coleman sp. |
| 24 Bucks. Britten cat. | 21 Middlesex. Hind cat. |
| 25 Suffolk east. Stock cat. | 22 Berks. Britten cat. |
| 26 west. Bab. ms. | 23 Oxford. Beesley cat. |
| 27 Norfolk east. Bell sp. | 24 Bucks. Coleman sp. |
| 28 west. Bell sp. | 25 Suffolk east. Stock cat. |
| 29 Cambridge. Babington cat. | 26 west. Bell sp. |
| 30 Bedford. Anderson ms. | 27 Norfolk east. |
| 33 Gloster east. Prentice cat. | 28 west. |
| 34 west. Thwaites cat. | 29 Cambridge. Babington cat. |
| 36 Hereford. Purchas cat.† | 30 Bedford. |
| 37 Worcester. | 31 Hunts! Newbould cat. |
| 39 Stafford. | 32 Northton. "Allen sp." |
| 40 Salop. | 33 Gloster east. Prentice cat. |
| 44 Carmarthen. Motley cat. | 34 west. Thwaites sp. |
| 45 Pembroke. Babington cat. | 36 Hereford. |
| 46 Cardigan. Atwood ms. | 37 Worcester. |
| 48 Merioneth. Bowman ms. | 38 Warwick? |
| 49 Carnarvon. Bowman ms. | 41 Glamorgan. |
| 50 Denbigh? | 45 Pembroke. Babington cat. |
| 52 Anglesea. Robinson cat. | 54 Linc. north. Thompson ms. |
| 62 York n. east. | 55 Leicester. Kirby flo. |
| 70 Cumberland. | 56 Notts. Howitt flo. |
| (65 66 67). | [62 63]. (66 67). |

782 Linaria**spuria.**

- 1 Corn. west. Cunnack cat.
- 2 east. Pascoe cat.
- 3 Devon south. Briggs cat.†
- 4 north. Maw cat.
- 5 Som. south. Collins ms.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Trevelyan sp.
- 15 Kent east. Smith cat.

783 Linaria**Elatine.**

- 1 Corn. west! Bailey sp.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.†
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Trevelyan sp.
- 15 Kent east! Smith cat.

- 16 Kent west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east. Woodward sp.
 28 west. Miss Bell ms.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton!
 33 Gloster east. Prentice cat.
 34 west! Thwaites sp.
 35 Monmouth. Watkins sp.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 40 Salop. Bowman sp.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Russell sp.
 46 Cardigan.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bidwell sp.
 52 Anglesea. Robinson cat.
 55 Leicester.
 56 Notts.
 57 Derby. Howitt cat.
 62 York n. east.
 63 s. west.
 64 m. west. Lees cat.†
 (58 59 66 67).

784 *Linaria repens*.

- 1 Corn. west! Warren sp.
 3 Devon south. Stewart flo.
 6 Som. north. Thwaites cat.
 10 Wight. More cat.
 11 Hants south! Borrer ms.

- 16 Kent west.
 17 Surrey.
 20 Herts. Blow ms. 1872.
 22 Berks. Britten cat.
 23 Oxford. Ayres sp.
 24 Bucks. Britten ms. 1873.
 30 Bedford. Miss Foster sp.
 35 Monmouth. Conway cat.
 38 Warwick. "Bromwich."
 41 Glamorgan. Collins ms.
 42 Brecon. W. Darby ms.
 45 Pembroke. Babington sp.
 46 Cardigan. Babington sp.
 62 York n. east. "denizen."
 69 Westmorel. Borrer ms.
 (13 44 57 58 65 67 75 83
 87 or 88 90 92; on ballast,
 planted, or otherwise intro-
 duced).

785 *Linaria vulgaris*.

Counties all, but with many exceptions northward; namely, 46 86 87 89 (91 92) 93 94 96 97 101 to 112). Recorded as "frequent" in Forfar and Moray. Professor Dickie and Mr. Roy concur in deeming it an introduced plant in the intervening counties of Kincardine and Aberdeen.

787 *Linaria minor*.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.†
 3 Devon south. Briggs cat.†
 6 Som. north. Russell sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south! Notcutt cat.
 12 north.
 13 Sussex west! Borrer cat.

- 14 Sussex east. Hall cat.
 15 Kent east. Syme ms.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Isaac Brown sp.
 21 Middlesex!
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east.
 28 west. Miss Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Berkeley ms.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Watkins sp.
 36 Hereford. Church. Bab. sp.
 38 Warwick.
 39 Stafford. Bagnall ms.
 40 Salop.
 41 Glamorgan.
 50 Denbigh. Bowman cat.
 51 Flint. Bowman sp.
 53 Linc. south. Bloxam sp.
 54 north!
 55 Leicester. Coleman cat.
 56 Notts.
 57 Derby. Howitt cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Baker sp.
 65 n. west. Leefe sp.
 66 Durham. Storey sp.
 68 Cheviot. "colonist."
 75 Ayr. Lands. bot.
 77 Lanark. Henedy cat.
 80 Roxburgh. Border flo.
 81 Berwick. Border flo.
 (85. Naturalised on gravel
 walks in Kinross; Dr.

Walker Arnot sp.). Professor De Candolle deems this to be altogether an alien species, introduced into England. Its tendency to grow by road-sides and on uncultivated wastes induced me in Cybele Britannica to accept it as a native plant. Abundant on the chalk in Surrey.

788 *Limosella* *aquatica*.

- Cornwall?
 5 Som. south. Coleman sp.
 6 north?
 Wilts. Southby cat. co.
 11 Hants south!
 13 Sussex west. Borrer cat.
 17 Surrey!
 18 Essex south.
 20 Herts.
 21 Middlesex. Newbould sp.
 22 Berks.
 23 Oxford.
 25 Suffolk east.
 26 west. Bunbury sp.
 27 Norfolk east. Gibson ms.
 29 Cambridge. "Henslow."
 30 Bedford.
 32 Northton. An error?
 34 Gloster west?
 36 Hereford.
 37 Worcester. Bagnall ms.
 38 Warwick Kirk cat.
 39 Stafford. Fraser cat.
 40 Salop. Leighton cat.
 51 Flint.
 55 Leicester. Bloxam sp.
 56 Notts.
 57 Derby. Howitt sp.
 58 Chester. Hardy sp.
 59 Lanc. south.
 62 York n. east?
 64 m. west. Lees cat.
 65 n. west. Ward sp.

- 66 Durham. Lawson sp.
 75 Ayr. Duncan cat.
 82 Haddington. Macnab sp.
 90 Forfar. "Common."
 91 Kincardine. "One locality."
 N.B. Seen about 1500 feet near
 Malham Tarn, Yorkshire, by
 Dr. F. A. Lees.

789 Sibthorpia**europæa.**

- 1 Corn. west! Bailey ms.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 5 Som. south. Coleman cat.
 14 Sussex east. Bromf. sp.
 41 Glamorg. Anna Thomas sp.
 44 Carmarthen.

[21 53 69 70; errors probably; and said to have become extinct in 14 Sussex].

790 Orobanche**major****"rapum."**

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 6 north.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight.
 11 Hants south! Notcutt cat.
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Hind sp.
 16 west. Pamplin ms.
 17 Surrey! Salmon sp.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex?
 22 Berks.

- 23 Oxford. Misnomer?
 24 Bucks.
 25 Suffolk east.
 26 west.
 27 Norfolk east. Stock cat.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 33 Gloster east. Prentice cat.
 34 west.
 35 Monmouth. Conway cat.
 36 Hereford. "Wilmott."
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Atwood sp.
 48 Merioneth.
 49 Carnarvon. Winch ms.
 50 Denbigh. Bowman cat.
 52 Anglesea!
 55 Leicester.
 56 Notts.
 57 Derby.
 58 Chester.
 59 Lanc. south.
 62 York n. east.
 63 s. west.
 64 m. west. Tatham cat.
 66 Durham.
 67 Northumb. Bigge sp.
 68 Cheviot. Embleton sp.
 72 Dumfries. Gray cat.
 73 Kircudbright. Gray cat.
 [Fife. Perth? Ebudes].

791 Orobanche**caryophyllacea.**

- 15 Kent east. Henfrey sp.
 26 Suff. west? H. & S. flo.
 [3 South Devon; an error].

792 Orobanche elator.

- 6 Som. north. Collins ms.
- 7 Wilts north. Flower cat.
- 8 south. Miss Bell ms.
- 9 Dorset. Pleydell cat.
- 12 Hants north.
- 14 Sussex east.
- 17 Surrey.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 22 Berks.
- 23 Oxford.
- 26 Suffolk west.
- 27 Norfolk east. Miss Bell sp.
- 28 west.
- 29 Cambridge. Coleman sp.
- 32 Northton. Berkeley ms.
- 34 Gloster west?
- 38 Warwick.
- 39 Stafford.
- 40 Salop.
- 41 Glamorgan.
- 55 Leicester.
- 62 York n. east.

[Cornwall, Devon, Denbigh, Lincoln, and Argyle might be added to the above list of counties; but the authorities for them are insufficient. And several of those enumerated may also prove to be erroneous].

793 Orobanche minor.

Counties 1 to 15 17 to 29 33 to 36 41 42 44 45 49 50 55 59 61 62 64 65 68. These nos. include the counties on record for "*minor*" in the wider application of the name, that is, to include also *Hedera*, *Picridis*, and *Eryngii* or *amethystea*.

793 Orobanche eu-minor.

- 1 Corn. west. Cunnack cat.
- 3 Devon south. Briggs cat.
- 7 Wilts north. Miss Bell sp.
- 9 Dorset?
- 10 Wight.
- 11 Hants south!
- 12 north.
- 13 Sussex west.
- 14 east.
- 17 Surrey! Ellis sp.
- 18 Essex south. E. Twining sp.
- 22 Berks.
- 23 Oxford.
- 25 Suffolk east.
- 27 Norfolk east. Miss Bell sp.
- 28 west. Miss Bell ms.
- 29 Cambridge.
- 42 Brecon.
- 59 Lanc. south. Webb cat.
- 62 York n. east. Baker sp.
- 67 Northumberland. Chrisp sp.

N.B. The above selection of counties takes in those specially reported for *eu-minor*, along with some others reported for *minor* as growing on "clover" or "crepis." It will thrive on other plants quite well; for instance on the Scarlet Geranium and *Campanula Vidalii*.

793 Orobanche Eryngii.

- 1 Corn. west. "Mennell."
- 2 east. Goulding sp.
- 3 Devon south. Bab. man.
- 14 Sussex east. Mrs. Jones sp.
- 15 Kent east. Syme sp.

N.B. Imperfectly understood by myself; so that I cannot either confirm or contradict the nomenclature of the "sps." Mr. Borrer doubted

the correctness of the name "amethystea" applied to the plants of Cornwall; but it is retained in Eng. Bot. edition third.

793 *Orobanchë*

Picridis.

- 10 Wight. Bromfield sp.
 15 Kent east. Syme sp.
 29 Cambridge. Gibson sp.
 45 Pembroke. Babington cat.
 N.B. This also is imperfectly understood by myself. An *Orobanchë* which I find in Surrey, growing on *Picris* and *Crepis*, appears to me the same as the *Orobanchë minor* often found on clover in the same county.

793 *Orobanchë*

Hederæ.

- 1 Corn. west.
 3 Devon south. Borrer ms.
 4 north.
 6 Som. north. Thwaites cat.
 8 Wilts south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 34 Gloster west. Stephens sp.
 35 Monmouth. Watkins sp.
 41 Glamorgan. Moggridge sp.
 42 Brecon.
 45 Pembroke. Babington cat.
 49 Carnarvon. Rylands sp.
 50 Denbigh. Bowman ms.
 55 Leicester ?

794 *Orobanchë*

rubra.

- 1 Corn. west. Cunnack sp.
 16 Kent west. "A. Carr!"
 41 Glamorgan.
 65 York n. west. Ward sp.
 85 Fife. Syme Cat.

- 98 Argyle. Gourlie sp.
 03 Eb. mid!
 04 north.
 05 Ross west. Bowman ms.

795 *Orobanchë*

cærulea.

- 1 Corn west.
 10 Wight. Bromfield sp.
 12 Hants north ?
 20 Herts. Coleman sp.
 22 Berks ? Hurst ms.
 27 Norfolk east.
 35 Monmouth.
 41 Glamorgan ? Misnomer ?

797 *Lathræa*

squamaria.

- 1 Corn. west.
 3 Devon south. Abraham ms.
 4 north.
 6 Som. north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south.
 9 Dorset.
 10 Wight. More cat.
 11 Hants south.
 18 Sussex west. Weaver sp.
 15 Kent east. Smith cat.
 16 west. Christy ms.
 17 Surrey!
 19 Essex north. Varenne ms.
 20 Herts. Blow ms.
 21 Middlesex.
 22 Berks.
 23 Oxford.
 24 Bucks. Britten cat.
 30 Bedford.
 32 Northton. Berkeley ms.
 33 Gloster east. Roberts ms.
 36 Hereford.
 37 Worcester. Lees sp.
 39 Stafford. Fraser cat.
 40 Salop. Leighton cat.
 41 Glamorgan. County ?
 49 Carnarvon. Robinson cat.

- | | |
|-----------------------------|--------------------------------|
| 50 Denbigh! Bowman cat. | 16 Kent west! |
| 51 Flint. Robinson cat. | 17 Surrey! |
| 53 Lincoln south. | 18 Essex south. |
| 55 Leicester. | 19 north. Varenne cat. |
| 56 Notts. | 20 Herts. |
| 57 Derby. Bloxam ms. | 21 Middlesex! Hind cat. |
| 58 Chester. | 22 Berks. Britten cat. |
| 59 Lanc. south. | 23 Oxford. Beesley cat. |
| 61 York s. east. | 24 Bucks. Britten cat. |
| 62 n. east. Baker cat. | 25 Suffolk east. Stock cat. |
| 63 s. west. Lees cat. | 26 west. |
| 64 m. west. Tatham cat. | 27 Norfolk east. Cooper sp. |
| 65 n. west. Ward cat. | 28 west. Miss Bell sp. |
| 66 Durham. Storey sp. | 29 Cambridge. Babington cat. |
| 67 Northumberland, | 30 Bedford. |
| 68 Cheviot. Embleton sp. | 32 Northton. |
| 69 Westmoreland. Hind sp. | 33 Gloster east. Prentice cat. |
| 70 Cumberland. | 34 west! Thwaites cat. |
| 73 Kirkeudbright. Gray cat. | 35 Monmouth. Conway cat. |
| 75 Ayr. Duncan cat. | 36 Hereford. Purchas cat. |
| 76 Renfrew. | 37 Worcester. |
| 77 Lanark. Hennedy cat. | 38 Warwick. Kirk cat. |
| 80 Roxburgh. | 39 Stafford. Douglas cat. |
| 81 Berwick. | 40 Salop. Leighton cat. |
| 83 Edinburgh! Lloyd sp. | 41 Glamorgan. |
| 86 Stirling. Hooker sp. | 44 Carmarthen. Motley cat. |
| 87 Perth west. Syme cat. | 45 Pembroke. Babington cat. |
| 97 Westernness. | 49 Carnarvon. Gordon ms. |
-
- 798 Verbena**
officinalis.
- | | |
|------------------------------|----------------------------|
| 1 Corn. west! Cunnack cat. | 51 Flint. Robinson cat. |
| 2 east. Briggs cat. | 52 Anglesea. Robinson cat. |
| 3 Devon south. Briggs cat. | 54 Linc. north! Bogg cat. |
| 4 north! Maw cat. | 55 Leicester. Bloxam cat. |
| 5 Som. south. Coleman cat.† | 56 Notts. |
| 6 north! Thwaites cat. | 57 Derby. Howitt cat. |
| 7 Wilts north. Flower cat. | 58 Chester. Warren cat. |
| 8 south. Flower cat. | 59 Lanc. south. Webb cat. |
| 9 Dorset. Pleydell cat. | 61 York s. east. |
| 10 Wight! More cat. | 62 n. east. Baker cat. |
| 11 Hants south! Notcutt cat. | 63 s. west. Lees cat. |
| 12 north! | 64 m. west. Lees cat. |
| 13 Sussex west. Borrer cat. | 65 n. west. Bowman sp. |
| 14 east. Coleman cat.† | 66 Durham. |
| 15 Kent east! Smith cat. | 67 Northumb. Storey sp. |
| | 69 Westmoreland. |
| | 70 Camb. "Mr. Benson." |

85 *Fife*. "Dr. Parsons."

799 *Salvia*

Verbenaca.

- 1 Corn. west. Cunnaack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north. Crotch sp.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 14 Sussex east. Taylor sp.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex!
- 22 Berks. Britten cat.
- 23 Oxford.
- 24 Bucks.
- 25 Suffolk east. Notcutt sp.
- 26 west.
- 27 Norfolk east.
- 28 west. Notcutt cat.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 32 Northton.
- 33 Gloster east. Prentice ms.
- 34 west. Thwaites cat.
- 36 Hereford. "Wilmott."
- 37 Worcester.
- 38 Warwick. Bree ms.
- 39 Stafford. Fraser cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Barnard ms.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh. Bowman cat.

- 51 Flint. Robinson cat.
- 52 Anglesea. Robinson cat.
- 53 Linc. south. Bloxam ms.
- 54 north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 58 Chester. Warren ms.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 65 n. west. Bowman sp.
- 66 Durham.
- 67 Northumb. Bowman sp.
- 68 Cheviotland. Tate ms.
- 81 Berwick.
- 83 Edinburgh! Balfour cat.
- 85 Fife. Boswell Syme sp.
- 90 Forfar. G. Lawson ms.
- 06 Ross east. Gordon ms.

800 *Salvia*

pratensis.

- 16 Kent west. Sansom sp.
- 23 Oxford. Fox. sp. Linton sp.
(10 17 26; casually).
[13 14 21 22 27 30 32 34 37
40 41 52 57 62; perhaps all
of these were erroneous,
through misnomers of the
preceding species].

801 *Lycopus*

europæus.

Counties all, except 72 81 82
83 88 89 90 92 93 94 99 104
107 to 112, with eight of the
usual nine. Thus my records
for it fail in five Welsh coun-
ties and twenty-two Scottish
counties, while they give
authorities for it in all the
counties of England.

802 *Mentha*

rotundifolia.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north. Maw cat.
- 5 Som. south. Collins ms.
- 6 north. Bath flo.
- 7 Wilts north. Flower cat.
- 9 Dorset. Pleydell "v. sp."
- 10 Wight! More cat.
- 11 Hants south. Pamplin ms.
- 12 north. Pamplin ms.
- 13 Sussex west. Borrer ms.†
- 16 Kent west. Forster, b. g.
- 17 Surrey. Salmon flo.
- 18 Essex south. Gibson flo.
- 19 north Varenne cat.
- 20 Herts. Coleman sp. W. flo.*
- 21 Middlesex? "church-yards."
- 24 Bucks. Rayer, in b. g.
- 25 Suffolk east. Skepper ms.
- 27 Norfolk east. Trim. flo.
- 28 west. Trim. flo.
- 29 Cambridge? Relhan flo.
- 32 Northton. Anderson ms.
- 34 Gloster west. Hort sp.
- 35 Monmouth. Conway cat.
- 36 Hereford. Maw sp. P. flo.
- 37 Worcester. Lees sp.
- 38 Warwick. Bagnall ms.
- 40 Salop. Leighton flo.
- 41 Glamorgan. Dillwyn mat.
- 44 Carmarthen. Motley ms.†
- 45 Pembroke. Babington cat.
- 48 Merioneth. Butler sp.
- 49 Carnarvon. Bowman ms.
- 52 Anglesea. Robinson cat.
- 56 Notts. Hewitt flo.
- 57 Derby? Wood in Phytol.
- 62 York n. east? Robson, b. g.
- 63 s. west. "Inchbald."
- 64 m. west. Tatham cat.
- 66 Durham. "native?"
- 67 Northumb. "native?"
- 68 Cheviot. "native?"
- 70 Cumberl. Dickinson ms.†
- 83 Edinburgh. Balfour cat.*

85 Fife. Boswell Syme sp.†
 90 Forfar. Gard. flo. extinct.
 00 Clyde-isles. Misnomer.
 N.B. The round-leaved forms of *sylvestris* are sometimes confused with this plant; and perhaps the same holds true with the *crispa* form of *viridis*. Clearly indigenous in the south-western counties.

802 Mentha

alopecuroides.

Kent ...? Eng. Bot. ed. 3.
 Essex ...? Eng. Bot. ed. 3.
 Norf. ...? Eng. Bot. ed. 3.

86 Stirling. Duthie sp.

88 Perth mid. Bab. ed. 6.

00 Arran. Bab. Man. ed. 6.

N.B. Perhaps an escape from cultivation. And further a troublesome plant from the topographical view, through being so intermediate between *rotundifolia* and *sylvestris*, that its affinity to either is viewed differently by our best describers.

803 Mentha

sylvestris.

1 Corn. west. Cunnack cat.
 east.

3 Devon south?

4 north.

6 Som. north.

8 Wilts south. Flower cat.

9 Dorset. Pleydell cat.

10 Wight? "to be excluded."

12 Hants north.

13 Sussex west. Borrer cat.

15 Kent east. Smith cat.

16 west.

17 Surrey.

18 Essex south.

19 north. Varenne sp.

- 20 Herts. Coleman cat.†
- 21 Middlesex.
- 22 Berks.
- 24 Bucks.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west. Miss Bell sp.
- 29 Cambridge. Coleman sp.
- 30 Bedford.
- 32 Northton. Notcutt cat.
- 34 Gloster west. Watkins sp.
- 35 Monmouth. Conway cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Bagnall ms.
- 39 Stafford.
- 40 Salop.
- 41 Glamorgan. Knight sp.
- 42 Brecon.
- 43 Radnor.
- 47 Montgomery.
- 50 Denbigh. Bowman sp.
- 51 Flint.
- 54 Linc. north.
- 55 Leicester. Howitt ms.
- 56 Notts.
- 57 Derby. Howitt cat.
- 62 York n. east.
- 63 s. west.
- 64 m. west.
- 65 n. west.
- 70 Cumberland.
- 81 Berwick.
- 82 Haddington.
- 83 Edinburgh.
- 90 Forfar.
- 95 Elgin. "J. B." sp.†
- 96 Easterness.
- 99 Dunbarton.

[88 100 M. alopecuroides].

This is often seen near old mansions and farm houses, apparently the relict of former culture. I have seen it quasi-wild in several coun-

ties, from Devon and Surrey to Derby and Lincoln; but always in situations where its true nativity was doubtful at best.

804 Mentha viridis.

N.B. Well established in many places, especially in mountain dales and glens. Thus, in Scotland, large patches of it mark the sites where cottages formerly stood, but have been destroyed in the process of re-converting the land into wastes for game. Mr. Baker designates it a "denizen" in the provinces of Humber and Tyne; Dr. Lees and Mr. Tatham deem it truly wild in West Yorkshire.

805 Mentha piperita.

- 1 Corn. west! Watson sp.
- 2 east. Briggs cat.
- 3 Devon south. Banker sp.
- 5 Som. south. Coleman cat.
- 6 north.
- 8 Wilts south.
- 9 Dorset. Pleydell "v. sp."
- 10 Wight. "to be excluded."
- 13 Sussex west.
- 17 Surrey. Eng. Bot. ed. 3.
- 18 Essex south.
- 19 north. Varenne cat.†
- 20 Herts.
- 21 Middlesex. Kingsley sp.
- 22 Berks.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east.
- 28 west. Miss Bell sp.
- 29 Cambridge. Coleman ms.

- 33 Gloster east. Prentice cat.
 34 Gloster west. Ley sp.
 35 Monmouth. Conway cat.
 36 Hereford. Bennett sp.
 37 Worcester.
 38 Warwick. Bromwich sp.
 39 Stafford.
 40 Salop. Bowman sp.
 41 Glamorgan.
 46 Cardigan. Atwood sp.
 47 Montgom. Bowman cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby.
 58 Chester. Warren ms.*
 59 Lanc. south. Heys sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham sp.
 65 n. west. Ward cat.
 66 Durham. Baker cat.
 67 Northumberland.
 68 Cheviotland.
 69 Westmoreland.
 70 Cumberland.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 83 Edinburgh. Syme sp.
 85 Fife. Dewar sp.
 90 Forfar. Carnegie sp.
 91 Kincardine. Syme sp.
 92 Aber. south.
 99 Dunbarton. Hooker sp.
 N.B. Certainly not indigenous
 in several of the counties
 here enumerated. Two forms
 are distinguished in English
 Botany, edition third, *offici-*
 nalis and *vulgaris*; the former
 being the spiked variety cul-
 tivated for use, and occa-
 sionally found established
 near gardens, &c. This
 doubleness of form, and
 local uncertainties of nati-

vity, throw distrust on se-
 veral of the counties here
 enumerated. The subcapitate
 form from Thirsk "*vulgaris*"
 appears to my own eyes
 extremely near the Kew
 Garden plant which is dis-
 tributed as *citrata* by Mr.
 Baker; and the same with
 the specimens above indi-
 cated from West Cornwall
 and South Devon.

806 *Mentha aquatica*.

Counties all, except 72 73 86
 87 97 99 107 108 110
 112, and usual nine.

807 *Mentha sativa*.

Counties all, except 8 25 31
 32 46 51 60 61 71 86 88
 89 90 92 93 94 96 to 99
 103 to 112, with the usual
 nine. As thus topographed,
 it must be understood to
 include the miscellaneous
 segregates grouped under
 the aggregate name *sativa*
 in the 'London Catalogue
 of British Plants,' edition of
 1867. Their recorded lo-
 calities cannot be segre-
 gately assigned with any
 confidence or completeness.

808 *Mentha arvensis*.

Counties all, except 31 46 53
 60 71 72 73 96 97 104
 107 108 110 112; in near-
 ly all of these it may be
 expected to occur, though
 110 and 112, Hebrides and
 Shetland, may perhaps be

real exceptions to a county
generality. 106 Gordon cat.
109 Brown cat. 111 Syme
cat.

809 *Mentha*

Pulegium.

- 1 Corn. west. Cunnack cat.
- 2 east. Pascoe cat.
- 3 Devon south. Briggs sp.
- Somerset. Southby cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset.
- 10 Wight. More cat.
- 11 Hants south. Notcutt cat.
- 13 Sussex west. Borrer cat.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey! Many localities.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman sp.
- 21 Middlesex. Dennes ms.
- 22 Berks.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west. Miss Bell sp.
- 29 Cambridge. Extinct?
- 31 Hunts.
- 32 Northton.
- 33 Gloster east.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford.
- 40 Salop. Extinct?
- 41 Glamorgan.
- 51 Flint. Bowman ms.
- 52 Anglesea. Robinson cat.
- 55 Leicester.
- 56 Notts.
- 57 Derby?
- 58 Chester. Bowman sp.

- 62 York n. east.
- 64 m. west. Leefe sp.
- 66 Durham.
- 69 Westmoreland.
- 70 Cumberland.
- 71 Man. "scarce."
- 75 Ayr. Duncan cat.
- 81 Berwick. One locality.
(83 85 109; and perhaps
only a garden escape in some
other of the counties named).

810 *Thymus*

Serpyllum.

Counties all, except 31 60,
with the usual nine others.

811 *Origanum*

vulgare.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north!
- 6 Som. north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! J. E. Gray sp.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east! Smith cat.
- 16 west!
- 17 Surrey! Mrs. Tickner sp.
- 18 Essex south. Varenne ms.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex?
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 26 Suffolk west.
- 27 Norfolk east. Cooper sp.
- 28 west.
- 29 Cambridge. Babington cat.

30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton.
 33 Gloster east.
 34 west! Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas sp.
 37 Worcester.
 38 Warwick. "Bromwich."
 39 Stafford. Fraser cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Borrer sp.
 46 Cardigan.
 47 Montgomery.
 48 Merioneth.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea! Robinson cat.
 54 Linc. north! Bogg cat.
 55 Leicester. Coleman cat.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south.
 60 west. Warren ms.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham sp.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 69 Westmoreland!
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick. "frequent."
 83 Edinburgh. Brand sp.
 84 Linlithgow. Maughan sp.
 85 Fife. Boswell Syme sp.

87 Perth west!
 88 mid.
 90 Forfar.
 91 Kinc. Mrs. Dickson ms.
 92 Aber. south. Dickie sp.
 94 Banff. Gordon ms.
 95 Elgin. Gordon cat.†
 02 Eb. south. Balfour cat.
 09 Caithness. Brown cat.

812 Calamintha

Acinos.

2 Corn. east. Pascoe cat.
 3 Devon south. Briggs cat.†
 4 north. Maw cat.
 6 Som. north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south!
 12 north.
 13 Sussex west. Borrer cat.
 14 east. Hall cat.
 15 Kent east! Smith cat.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north.
 20 Herts. Coleman cat.
 21 Middlesex. Harris herb.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east. Stock cat.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Lees sp.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas cat.

- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 45 Pembroke.
- 47 Montgomery. Bloxam sp.
- 49 Carnarvon. Winch ms.
- 50 Denbigh. Bowman cat.
- 53 Linc. south !
- 54 north. Bogg cat.
- 55 Leicester.
- 56 Notts.
- 57 Derby ! Bowman sp.
- 58 Chester.
- 59 Lanc. south !
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 65 n. west.
- 66 Durham. Norman cat.
- 67 Northumberland.
- 68 Cheviotland. Tate ms.
- 69 Westmoreland.
- 70 Cumberland.
- 73 Kirkcudbright. Gray cat.
- 75 Ayr. Prof. Balfour sp.
- 77 Lanark. "Dunlop."
- 81 Berwick. One locality.
- 82 Haddington. Balfour sp.
- 83 Edinburgh. Balfour cat.†
- 85 Fife. J. B. Balfour ms.
- 90 Forfar. G. Macnab sp.
- 91 Kincardine.
- 92 Aber. south. Dickie cat.
- 95 Elgin. Gordon cat.
- 96 Easterness. Stables sp.

813 Calamintha

Nepeta.

- 16 Kent west ! Sandys sp.
- 19 Essex north. Varenne sp.
- 20 Herts. Isaac Brown sp.
- 23 Oxford. Dr. Bidwell sp.
- 29 Cambridge. Babington cat.
- 34 Gloster west. Thwaites sp.
- 45 Pembroke. Babington cat.
- N.B. The *menthifolia* form of

Calamintha officinalis has been so frequently mistaken for *Nepeta* that I can cite here none of the recorded counties besides the two certified by Professor Babington and those from which I have actually received specimens of the true plant. The other recorded counties are 1 2 3 4 6 7 8 9 14 15 17 18 22 24 25 26 27 28 33 37 40 41 50 54 55 56 57 62 64 65 66 67 71 ; some of these likely to be correct, the majority as likely to be erroneous.

814 Calamintha

officinalis.

- 1 Corn. west ! Bailey ms.
- 2 east. Pascoe sp.
- 3 Devon south. Briggs sp.
- 4 north ! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north ! Hort sp.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west. Atkins sp.
- 14 east.
- 15 Kent east. Syme sp.
- 16 west !
- 17 Surrey !
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Harris herb.
- 22 Berks.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.

- 27 Norfolk east. Cooper sp.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Extinct?
 45 Pembroke. Babington cat.
 49 Carnarvon. Babington sp.
 50 Denbigh! Bowman cat.
 52 Anglesea. Robinson cat.
 54 Linc. north. Thompson ms.
 55 Leicester.
 56 Notts.
 58 Chester. Fisher sp.
 59 Lanc. south.
 61 York s. east.
 62 n. east.
 63 s. west. Lees cat.
 64 m. west.
 65 n. west. Ward sp.
 66 Durham? "Extinct."
 69 Westmoreland. Oliver sp.
 70 Cumberland?
 (68 87) or [68 87].

814 Calamintha sylvatica.

- 4 Devon south. Townsend ms.
 10 Wight. Bromfield sp.
 N.B. This is the *C. officinalis*
 of various continental botanists;
 that to which we give the same name,
 being the *menthifolia* or *ascendens*, one
 or both. See the note under
 813 *Cal. Nepeta*.

815 Calamintha

Clinopodium.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west. Borrer cat.
 14 east! Ranking sp.
 15 Kent east! Smith cat.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton! Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 50 Denbigh. Bowman cat.
 52 Anglesea.

- 53 Linc. south !
 54 north ! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby ! Howitt cat.
 58 Chester. Warren cat.
 59 Lanc. south.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumberland.
 68 Cheviot. Embleton sp.
 69 Westmoreland !
 70 Cumberland. Baker cat.
 75 Ayr ? "near Busby."
 76 Renfrew. Henedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 83 Edinburgh ! Lloyd sp.
 84 Linlithgow. Balfour cat.
 85 Fife. Syme ms. 1870.
 87 Perth west. Syme cat.
 88 mid ! Worsley cat.
 89 east !
 90 Forfar.
 91 Kinc. "Miss Boswell."
 92 Aber. south. Dickie cat.
 94 Banff. J. Roy ms.
 95 Elgin. Gordon cat.
 N.B. This frequent English
 plant is unreported for 25
 of the Scottish counties,
 more than one-half, accord-
 ing to my collected notes.

817 Melittis**Melissophyllum.**

- 1 Corn. west. Warren sp.
 2 east. Pascoe ms.
 3 Devon south ! Goulding sp.
 4 north ! Maw cat.

- 5 Som. south. Coleman sp.
 11 Hants south. Bromfield ms.
 13 Sussex west. Christy sp.
 46 Cardigan. Atwood sp.
 [8 9 17 33 37 41 45 55 ;
 possibly two or three of
 these counties are correct,
 although all need verifica-
 tion].

818 Teucrium**Scorodonia.**

- Counties all, except 31 32 44
 53 54 60 98 107 109 112.

819 Teucrium**Scordium.**

- 4 Devon north. Russell sp.
 22 Berks.
 23 Oxford.
 26 Suffolk west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 32 Northton.
 54 Linc. north.
 65 York n. west. Bowman sp.

820 Teucrium**Botrys.**

- 17 Surrey. Gibson, Ingall sps.
 Native in Surrey ; Borrer.

822 Ajuga**reptans.**

- Counties all, except 46 60 86
 97 98 101 107 108 110.

823 Ajuga**pyramidalis.**

- 69 Westm. Backhouse ms.
 96 Easternness ?
 97 Westernness ? "Dr. Hope."
 98 Argyle. "Carmichael."
 06 Ross east. Gordon ms.
 08 Suth. west. Oliver sp.

- 09 Caithness. Syme !
 10 Hebrides. Bowman ms.
 11 Orkney. Syme sp.
 [49 Carnarvon ?]

824 Ajuga**Chamæpitys.**

- 12 Hants north. Pamplin ms.
 16 Kent west. Palmer sp.
 17 Surrey. Brewer sp.
 18 Essex south.
 20 Herts. Wallis sp. Blow ms.
 29 Cambridge. Fordham sp.
 30 Bedford. Isaac Brown sp.
 32 Northton ?

[7 10 14 33 or 34 45 47 ;
 insufficiently vouched, and
 perhaps mostly errors].

825 Ballota**nigra.**

- 1 Corn. west ! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north ! Maw cat.
 5 Som. south. Coleman cat.
 6 north ! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight ! More cat.
 11 Hants south ! Notcutt cat.
 12 north !
 13 Sussex west ! Borrer cat.
 14 east !
 15 Kent east ! Smith cat.
 16 west !
 17 Surrey !
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex ! Hind cat.
 22 Berks ! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas cat.

- 26 Suffolk west. Babington ms.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts ! Newbould cat.
 32 Northton ! Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west ! Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford ! Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Purchas ms.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint ! Brand sp.
 52 Anglesea. Robinson cat.
 53 Linc. south !
 54 north ! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester ! Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton sp.
 70 Cumber. "T. Benson."
 75 Ayr. Landsborough Bot.
 76 Renfrew ? Glott. flo.
 77 Lanark. Henedy cat.†
 80 Roxburgh. Duncan cat.
 81 Berwick. Border flo.
 82 Haddington ?
 83 Edinburgh. Syme sp.

- 85 Fife ? B. & S. flo.
 92 *Aber. south.* Dickie cat.†
 95 *Elgin.* "Dr. Innes."
 N.B. This vulgar weed of South Britain becomes rare in Scotland, and scarcely occurs in North Britain unless as an introduced casual.

825 *Ballota****ruderalis.***

- 23 Oxford. Newbould sp.
 67 Northumb. Storey sp.
 [10 21 27 29 36 40; all probably misnomers]. (Casual in 33 or 34). Intermediate forms in Middlesex (Rev. James Harris) and Hants (J. C. Mansel-Pleydell, Esq.), but nearer to *fatida*, of the two.

827 *Lamium****Galeobdolon.***

- 1 Corn. west. "H. S. herb."
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Trevelyan sp.
 10 Wight! More cat.
 11 Hants south! Notcutt cat.
 12 north.
 13 Sussex west. Weaver sp.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west!
 17 Surrey! E. Wood ms.
 18 Essex south. Varenne ms.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks. Britten cat.

- 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Coleman ms.
 26 west.
 27 Norfolk east.
 28 west. Miss Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton. Berkeley ms.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford. Purchas cat.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 42 Brecon.
 44 Carmarthen. Motley cat.
 45 Pembroke.
 49 Carnarvon. Robinson cat.
 50 Denbigh! Bowman sp.
 51 Flint. Robinson cat.
 54 Linc. north. Bogg cat.
 55 Leicester. Coleman cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester! Warren cat.
 59 Lanc. south! Goodlad hb.
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west.
 70 Cumberland.
 (82 83 85). [98].

828 *Lamium****album.***

- Counties all, with many exceptions northward, namely, 46 52 60 69 71 88 91 to 94 (95 96) 97 to 112. Lowe reports it in 111 Orkney.

830 *Lamium amplexicaule*.

Counties all, except 35 41 44
46 50 54 60 69 70 73 86
89 97 98 99 102 104 112;
no doubt simply overlooked
in nearly all of these. But
for some of the northern
counties the *intermedium* and
amplexicaule may not have
been clearly kept apart.

830 *Lamium intermedium*.

68 Cheviotland.
72 Dumfries. Cruickshank sp.
74 Wigton.
75 Ayr. Gourlie sp.
76 Renfrew. Hennedy cat.
77 Lanark. Hooker sp.
82 Haddington.
83 Edinburgh! Tyacke sp.
85 Fife. Dewar sp.
90 Forfar.
92 Aber. south. "not native."
93 north. Syme ms.
95 Elgin.
98 Argyle. Ch. Bab. ms.
00 Clyde-isles. Balfour sp.
01 Cantire. Balfour cat.
02 Eb. south. Balfour cat.
10 Hebrides.
11 Orkney. Syme sp.
12 Shetland. Tate sp.
[10 40 49; insufficiently
vouched].

831 *Lamium purpureum*.

Counties all, except 35 88 97
107. Doubtless it occurs in
every county.

831 *Lamium incisum*.

1 Corn. west. "Hore."

3 Devon south. Briggs sp.†
5 Som. south. "W. H."
7 Wilts north. Preston ms.
8 south. Flower flo.
9 Dorset. Pleydell cat.
10 Wight. More cat.
13 Sussex west. Borrer cat.
15 Kent east. Smith cat.
16 west. Sandys sp.
17 Surrey!
18 Essex south. Gibson flo.
19 north. Varenne cat.
20 Herts. Blow ms. Webb flo.
21 Middlesex. T. & D. flo.
22 Berks. Britten cat.
23 Oxford. "Baxter."
25 Suffolk east. Coleman ms.
26 west. Bromfield ms.
27 Norfolk east. Woodward ms.
28 west. Notcutt sp.
29 Cambridge. Babington flo.
31 Hunts. Newbould ms.
36 Hereford. Purchas sp.
38 Warwick. Kirk cat.
39 Stafford. Douglas cat.
41 Glamorgan. Dillwyn mat.
44 Carmarthen. Motley cat.
45 Pembroke. Tenby flo.
49 Carnarvon! Robinson cat.
51 Flint. Robinson cat.
52 Anglesea. Robinson cat.
53 Linc. south. Bloxam ms.
55 Leicester. Ch. Bab. sp.
58 Chester. Warren ms.
59 Lanc. south. Webb cat.
61 York s. east. Supplement.
62 n. east. Baker cat.
63 s. west. Supplement.
64 m. west. Tatham cat.
65 n. west. Ward cat.
66 Durham. New flo.
67 Northumberland. New flo.
68 Cheviotland. Tate cat.
69 Westmoreland!
71 Man. Forbes cat. "common."
76 Renfrew. Hennedy cat.

- 77 Lanark. Hooker sp.
 81 Berwick. Border flo.
 83 Edinburgh! Balfour sp.
 84 Linlithgow. B. & S. flo.
 85 Fife. Dewar, Syme sps.
 90 Forfar. Gardiner flo.
 92 Aber. south. Dickie cat.
 94 Banff. "frequent."
 95 Elgin. Gordon cat.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Hennedy cat.
 10 Hebrides. B. & B. cat.
 12 Shetland. Tate sp.
 N.B. The above enumeration of counties is to be received with some distrust. The leaves of *purpureum* vary much in outline and cutting, occasionally simulating those of *incisum* very closely; while in turn this latter is occasionally confused with *amplexicaule* and even *intermedium*.

832 Galeopsis

Ladanum.

- 1 Corn. west.
 2 east.
 3 Devon south. Briggs cat.†
 5 Som. south. Collins ms.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south. Notcutt cut.
 12 north.
 13 Sussex west. Borrer cat.
 14 east! Coleman cat.
 15 Kent east! Syme sp.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.

- 21 Middlesex.
 22 Berks. Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east.
 28 west. Miss Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford. Shawe sp.
 37 Worcester.
 38 Warwick. Bagnall ms.
 39 Stafford. Fraser cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 51 Flint. Miss Atwood ms.
 52 Anglesea. Robinson cat.
 53 Linc. south!
 54 north!
 55 Leicester. Howitt sp.
 56 Notts.
 57 Derby! Howitt sp.
 58 Chester. Warren ms.
 59 Lanc. south.
 62 York n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west. Ward cat.
 66 Durham. Bowman sp.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 69 Westmoreland. Oliver sp.
 70 Cumberland.
 75 Ayr. Boswell Syme ms.
 82 Haddington. Carnegie sp.
 83 Edinburgh. Lloyd sp.
 85 Fife. Dewar sp.
 92 Aber. south. Dickie ms.†
 95 Elgin. Gordon sp.†

- 04 Eb. north? Lawson cat.
[111 Orkney; Lowe's list].

**833 Galeopsis
ochroleuca.**

- 19 Essex north. Varenne sp.
49 Carnarvon. Crotch sp.
56 Notts.
61 York s. east.
62 n. east.
63 s. west. Leyland ms.†
66 Durham. Bowman sp.
[38 59 64; counties re-
quiring verification].

**834 Galeopsis
Tetrahit.**

- Counties all, except 35 60 73
107. No doubt it is to be
found in every county.

**835 Galeopsis
versicolor.**

- 3 Devon south. Briggs cat.†
13 Sussex west. Borrer ms.
14 east. Coleman cat.
17 Surrey !†
18 Essex south.
19 north. Varenne cat.†
20 Herts.
21 Middlesex. Hind cat.†
23 Oxford.
24 Bucks.
25 Suffolk east.
27 Norfolk east. Stock cat.
28 west. Miss Bell sp.
29 Cambridge. Babington cat.
31 Hunts. Newbould cat.
32 Northton. Kippist sp.
36 Hereford. Purchas ms.†
38 Warwick. Bloxam ms.
39 Stafford. Douglas cat.†
40 Salop. Leighton cat.
49 Carnarvon. Robinson cat.
50 Denbigh. Bowman cat.
51 Flint. Robinson cat.

- 53 Linc. south! Kippist ms.
54 north! Howitt ms.
55 Leicester.
56 Notts.
57 Derby. Howitt cat.
58 Chester. Warren cat.
59 Lanc. south! Webb cat.
61 York s. east.
62 n. east. Baker cat.
63 s. west.
64 m. west. Tatham cat.
65 n. west. Ward cat.
66 Durham.
67 Northumberland.
68 Cheviotland. Tate cat.
69 Westmoreland.
70 Cumberland.
72 Dumfries. Gray cat.
73 Kirkcudbright. Gray cat.
75 Ayr. Duncan cat.
76 Renfrew. Hennedy cat.
77 Lanark. Hennedy cat.
80 Roxburgh. Duncan cat.
81 Berwick.
83 Edinburgh! Lloyd sp.
85 Fife. Boswell Syme sp.
86 Stirling.
87 Perth west. Brand sp.
88 mid! Worsley cat.
89 east!
90 Forfar!
91 Kincardine. Syme cat.
92 Aber. south. Dickie cat.
93 north. Gordon ms.
94 Banff. Gordon ms.
96 Easterness.
97 Westerness! Ch. Bab. ms.
98 Argyle. Church. Bab. ms.
99 Dunbarton. Hooker sp.
00 Clyde-isles. Hennedy cat.
01 Cantire. Balfour cat.
02 Eb. south. Balfour cat.
05 Ross west. Ch. Bab. ms.
06 east. Gordon cat.

836 Betonica**officinalis.**

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north!
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north!
- 13 Sussex west! Borrer cat.
- 14 east! Coleman cat.
- 15 Kent east! Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex! Hind cat.
- 22 Berks! Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford! Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Barnard ms.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Purchas ms.

- 49 Carnarvon. Robinson cat.
 - 50 Denbigh. Bowman cat.
 - 51 Flint! Robinson cat.
 - 52 Anglesea. Robinson cat.
 - 53 Lincoln south!
 - 54 north! Bogg cat.
 - 55 Leicester. Bloxam cat.
 - 56 Notts.
 - 57 Derby! Howitt cat.
 - 58 Chester! Warren cat.
 - 59 Lanc. south. Webb cat.
 - 60 west!
 - 61 York s. east.
 - 62 n. east. Baker cat.
 - 63 s. west. Lees cat.
 - 64 m. west. Lees cat.
 - 65 n. west. Baker sp.
 - 66 Durham. Norman cat.
 - 67 Northumb. Storey cat.
 - 68 Cheviotland. Embleton sp.
 - 69 Westmoreland!
 - 70 Cumberland! Baker cat.
 - 73 Kirkcudbright. Gray cat.
 - 76 Renfrew? "reported."
 - 77 Lanark. Henedy cat.†
 - 80 Roxburgh. Duncan cat.
 - 81 Berwick.
 - 83 Edinburgh. Balfour cat.
 - 84 Linlithgow. "Sibbald."
 - 85 Fife. J. B. Balfour ms.
 - 89 Perth east. Stables sp.
 - 04 Eb. north? Lawson cat.
- N. B. It will be observed that my compiled notes give only ten counties of Scotland, as habitats for this common plant of England; and two or three out of the ten seem to need verification. It is one, among many other similar examples, showing how much the general vegetation changes in a northerly course, through the thinning out and gradual disappearance of plants plentiful and

conspicuously characteristic in South Britain. A comital enumeration brings out that striking fact much more clearly than a provincial arrangement under eighteen divisions only. The county series of this plant is here shown to be continuous for England proper, apart from Wales.

837 *Stachys palustris*.

Counties all, except 35 46 86 98 107 108.

837 *Stachys ambigua*.

1 Corn. west ! Curnow sp.
 3 Devon south. Briggs sp.
 9 Dorset. Syme sp. Pleydell.
 13 Sussex west. Borrer cat.
 16 Kent west. Syme sp.
 17 Surrey !
 19 Essex north. Varenne sp.
 32 Northton !
 38 Warwick. Bromwich sp.
 48 Merioneth. Hunt sp.
 59 Lanc. south. Windsor sp.
 66 Durham. Storey sp.
 67 Northumb. New flo.
 68 Cheviotland. New flo.
 69 Westmoreland !
 70 Cumberland. Baker cat.
 87 Perth west. Dewar sp.
 11 Orkney. Syme sp.
 12 Shetland. Tate sp.
 N.B. Reported also in 6 10 20 21 23 27 28 29 33 35 39 40 41 45 50 55 58 62 71 73 76 77 81 82 83 92 96 98 100 101 104 105 ; but the mistake of applying the name *ambigua* to examples of *palustris* with

shortly stalked leaves, having been so frequent, it seems safer to look upon all the counties represented by those numbers as requiring confirmation.

838 *Stachys sylvatica*.

Counties all, except 46 72 97 98 107.

839 *Stachys germanica*.

12 Hants north. Spicer sp.
 16 Kent west. Syme sp.
 23 Oxford. Fox sp. 1872.
 [1 or 2 3 (15) 22 27 or 28 30 53 54 57 62 ; all needing verification, and perhaps mostly erroneous].

840 *Stachys arvensis*.

Counties all, except 30 31 53 54 60 72 73 86 88 97 98 99 107 109 110 (111) 112.

841 *Glechoma hederacea*.

Counties all, except 46 86 87 89 99 104 107 108 (109) 110 (111) 112.

842 *Nepeta Cataria*.

1 Corn. west !
 2 east. Briggs cat.†
 3 Devon south.
 4 north.
 5 Som. south. Coleman cat.
 6 north. Error ?
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.†

- 11 Hants south.
 - 12 north. Pamplin ms.
 - 13 Sussex west. Borrer cat.
 - 14 east. Hall cat.
 - 15 Kent east! Smith cat.
 - 16 west!
 - 17 Surrey!
 - 18 Essex south.
 - 19 north. Varenne cat.
 - 20 Herts. Coleman cat.
 - 21 Middlesex! Verdun ms.
 - 22 Berks. Mrs. Russell sp.
 - 23 Oxford. Rev. E. Fox sp.
 - 24 Bucks. Britten cat.
 - 25 Suffolk east.
 - 26 west. Bab. ms.
 - 27 Norfolk east. Cooper sp.
 - 28 west. Miss Bell sp.
 - 29 Cambridge.
 - 30 Bedford.
 - 32 Northton.
 - 33 Gloster east. Prentice cat.
 - 34 west! Thwaites cat.
 - 36 Hereford. Shawe sp.
 - 37 Worcester.
 - 38 Warwick. Kirk cat.
 - 39 Stafford! Douglas cat.
 - 40 Salop.
 - 45 Pembroke. Babington cat.
 - 49 Carnarvon. Robinson cat.
 - 50 Denbigh. Bowman cat.
 - 51 Flint!
 - 52 Anglesea.
 - 54 Linc. north! An escape?
 - 55 Leicester. Coleman cat.
 - 56 Notts.
 - 58 Chester! An escape?
 - 62 York n. east. Baker cat.
 - 63 s. west.
 - 64 m. west. Lees cat.
 - 65 n. west. Ward cat.
 - 66 Durham. "native."
 - 67 Northumb. Storey sp.
- (77 81 87 107 112; most likely introduced).

843 Marrubium vulgare.

- 1 Corn. west.
- 2 east. Briggs cat.*
- 3 Devon south. Briggs cat.*
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south. Pamplin ms.
- 12 north.
- 13 Sussex west. Borrer cat.†
- 14 east.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey.
- 18 Essex south. Gibson flo.*
- 19 north. Varenne sp.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks.
- 23 Oxford. Beesley ms.†
- 24 Bucks. Britten cat.*
- 25 Suffolk east.
- 26 west. Henslow ms.*
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites sp.
- 36 Hereford. "Wilmott*."
- 37 Worcester.
- 38 Warwick.
- 39 Stafford.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 49 Carnarvon. Bloxam ms.
- 50 Denbigh. Bowman cat.
- 52 Anglesea. Robinson cat.
- 53 Linc. south. Bloxam sp.

54 Linc. north.

55 Leicester.

58 Chester. Warren cat.*

59 Lanc. south. Webb cat.*

62 York n. east. "native."

63 s. west.

64 m. west. "native."

65 n. west. Ward cat.†

66 Durham. "native."

67 Northumb. "native."

68 Cheviotland. Tate cat.

71 Man. Forbes cat.†

75 Ayr. Landsborough bot.*

81 Berwick.

82 Haddington. Balfour cat.

83 Edinburgh. Balfour cat.

85 Fife. Syme sp.*

95 Elgin. Gordon cat.*

N.B. The enumeration of counties is here given in full, without an attempt, vain as it would prove, to eliminate those in which the plant has been seen only as a casual or as an established escape. The alternative signs are resorted to, for indicating intimations of less (†) or more (*) distrust. Though seen by myself in many counties, from Devon to Edinburgh, I have doubts as to its real wildness in any of them; possibly the Isle of Wight ought to be made an exception, for the Horehound looks native on the chalk there. In Surrey, seen near houses and on village 'greens.'

844 *Prunella*

vulgaris.

Counties all, except 98, with the other nine; but doubtless plentiful in every county.

845 *Scutellaria*

galericulata.

Counties all, except 5 35 44
46 53 60 82 85 87 88 89
92 96 107 108 109 111
112. 110 Isle of Harris;
Balfour and Babington.

846 *Scutellaria*

minor.

1 Corn. west! Cunnaack cat.
2 east. Briggs cat.
3 Devon south! Briggs cat.
4 north?
5 Som. south. Collins ms.
6 north.
7 Wilts north.
8 south. Flower cat.
9 Dorset. Pleydell cat.
10 Wight. More cat.
11 Hants south!
12 north!
13 Sussex west. Borrer cat.
14 east. Coleman cat.
15 Kent east. Smith cat.
16 west! Trevelyan sp.
17 Surrey!
18 Essex south. Varenne ms.
19 north.
20 Herts.
21 Middlesex. Hind cat.
22 Berks!
24 Bucks. Britten cat.
25 Suffolk east. Bromfield sp.
27 Norfolk east. Notcutt ms.
35 Monmouth. Watkins sp.
36 Hereford. "Wilmott."
37 Worcester.
38 Warwick. Kirk cat.
39 Stafford. Fraser cat.
40 Salop. Leighton cat.
41 Glamorgan.
42 Brecon.
44 Carmarthen. Motley cat.
45 Pembroke.
46 Cardigan. Atwood sp.

- 48 Merioneth. Gibson ms.
- 49 Carnarvon! Robinson cat.
- 50 Denbigh. Bowman ms.
- 51 Flint. Robinson cat.
- 52 Anglesea. Robinson cat.
- 55 Leicester.
- 57 Derby.
- 58 Chester. Merrick sp.
- 59 Lanc. south.
- 62 York n. east.
- 63 s. west.
- 64 m. west. Lees cat.
- 66 Durham.
- 69 Westmoreland.
- 70 Cumberland. Addison sp.
- 71 Man.
- 73 Kirkeudbright. Lloyd ms.
- 74 Wigton. Balfour sp.
- 75 Ayr. "Miss Baird."
- 77 Lanark. Error?
- 99 Dunbarton. Hooker sp.

847 *Myosotis* *palustris*.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north! Maw cat.
- 5 Som. south?
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south! Notcutt cat.
- 12 north!
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east! Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex! Hind cat.
- 22 Berks! Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west. Babington ms.
- 27 Norfolk east. Cooper sp.
- 28 west. Notcutt cat.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts! Newbould cat.
- 32 Northton! Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 35 Monmouth. Watkins sp.
- 36 Hereford. Purchas cat.
- 37 Worcester. Bagnall ms.
- 38 Warwick Kirk cat.
- 39 Stafford! Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke.
- 49 Carnarvon. Robinson cat.
- 51 Flint. Robinson cat.
- 52 Anglesea. Robinson cat.
- 53 Linc. south!
- 54 north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby. Howitt cat.
- 58 Chester! Warren cat.
- 59 Lanc. south! Webb cat.
- 60 west!
- 61 York s. east.
- 62 n. east. Baker sp.
- 63 s. west. Lees cat.
- 64 m. west. Tatham cat.
- 65 n. west. Ward cat.
- 66 Durham. Storey sp.
- 67 Northumberland.
- 68 Cheviot. Embleton cat.
- 69 Westmoreland!
- 70 Cumberland. Baker cat.
- 71 Man. Forbes cat.
- 72 Dumfries. Gray cat.
- 73 Kirkeudbright. Gray cat.
- 75 Ayr. Duncan cat.

- 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Syme sp.
 84 Linlithgow. Balfour cat.
 85 Fife. Boswell Syme sp.
 87 Perth west ?
 89 east !
 90 Forfar.
 92 Aber. south. "strigulosa."
 00 Clyde-isles. Hennedy cat.
 [93 94 95 96 106 to 112 ;
 in most of these northern
 counties, if not in all of
 them, the *repens* has been
 recorded under the name
 of *palustris*. Dr. Boswell
 Syme's specimens, from
 Edinburgh and Fife, are
 named *strigulosa* by himself ;
 they diverge slightly from
 the type, as seen in the
 south of England, in form
 of calyx as well as in their
 appressed pubescence. It is
 the former confusion between
repens and *palustris*, which
 induces me to detail their
 counties here ; the latter is
 a rare plant in North Britain,
 where the former prevails].

848 *Myosotis* *repens*.

- | | |
|---|--|
| <p>1 Corn. west ?
 2 east ?
 3 Devon south. Briggs cat.
 5 Som. south. Coleman sp.
 9 Dorset. Pleydell sp.
 10 Wight. More cat.
 11 Hants south.
 12 north !
 13 Sussex west ! Borrer cat.
 14 east ?</p> | <p>16 Kent west.
 17 Surrey !
 20 Herts.
 21 Middlesex ?
 22 Berks !
 24 Bucks. Britten cat.
 26 Suffolk west ?
 27 Norfolk east ?
 38 Warwick. Bagnall ms.
 39 Stafford.
 41 Glamorgan.
 43 Radnor.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 47 Montgom. "C. E. Parker."
 50 Denbigh. Stratton ms.
 55 Leicester. Coleman cat.
 56 Notts ?
 58 Chester. 'Warren ms.'
 59 Lanc. south. Goodlad sp.
 62 York n. east. Baker sp.
 63 s. west.
 64 m. west. Tatham sp.
 65 n. west. Ward cat.
 66 Durham.
 67 Northumb. Winch sp.
 68 Cheviotland.
 69 Westmoreland !
 70 Cumberland ! Baker cat.
 72 Dumfries.
 73 Kirkcudbright. Gray cat.
 75 Ayr.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 81 Berwick.
 83 Edinburgh ! Balfour cat.
 85 Fife.
 87 Perth west ! Syme cat.
 88 mid.
 89 east !
 90 Forfar !
 91 Kincardine. Syme cat.
 92 Aber. south ! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 98 Argyle.</p> |
|---|--|

- 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 07 or 108 Sutherland. N. flo.
 10 Hebrides.
 12 Shetland. Tate sp.

849 Myosotis
cæspitosa.

- Counties all, except 30 31 46
 52 56 60 72 73 80 86 93
 95 96 98; in some of these
 counties likely not distin-
 guished from *palustris*, with
 which it was combined or
 confused a half century ago.

850 Myosotis
alpestris.

- 65 York n. west. Backhouse sp.
 69 Westmoreland. Baker ms.
 88 Mid Perth! Hugh Balfour sp.

851 Myosotis
sylvatica.

- 12 Hants north. Borrer ms.
 14 Sussex east. Coleman cat.
 15 Kent east. Smith cat.
 18 Essex south.
 19 north. Bentall sp.
 20 Herts.
 25 Suffolk east.
 26 west.
 27 Norfolk east.
 28 west.
 33 Gloster east. Prentice cat.
 35 Monmouth. Conway cat.
 38 Warwick. Kirk cat.
 39 Stafford! Douglas sp.
 40 Salop. Leighton cat.
 49 Carnarvon. Robinson cat.
 52 Anglesea.
 55 Leicester.
 56 Notts.
 57 Derby. Church. Bab. sp.
 58 Chester. Warren cat.
 59 Lanc. south.

- 61 York s. east.
 62 n. east. Baker sp.
 63 s. west. Leyland sp.
 64 m. west. Lees cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviotland. Tate cat.
 70 Cumberland.
 72 Dumfries. Gray cat.
 81 Berwick.
 83 Edinburgh! Syme sp.
 90 Forfar.
 91 Kincardine.
 [3 5 or 6 8 17 21 29 37 77
 92; these counties require
 verification].

852 Myosotis
arvensis.

- Counties all, except 73 97 107
 with the usual nine others;
 doubtless to be found in
 every county.

853 Myosotis
collina.

- Counties all, except 14 23 30
 32 35 46 51 60 61 69 70
 72 73 80 86 to 89 96 to 112.
 109 Caithness? 112 Shet-
 land? Imperfectly recorded,
 through being so lately dis-
 tinguished from *arvensis* and
versicolor; to one or other of
 which this frequent species
 must have been referred
 formerly, up to 1830.

854 Myosotis
versicolor.

- Counties all, except 30 31 41
 46 53 60 69 80 86 97 98
 99 104 107 108 110, with
 the other nine; likely to
 occur in all of them, unless

the Shetland species should prove to be *collina* only, without *versicolor* also.

855 *Lithospermum officinale*.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Twining sp.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 12 north. Pamplin ms.
- 13 Sussex west. Weaver sp.
- 14 east. Hall cat.
- 15 Kent east! Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south. Varenne ms.
- 19 north. Varenne ms.
- 20 Herts. Blow ms.
- 21 Middlesex.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Paget sp.
- 26 west. Babington ms.
- 27 Norfolk east.
- 28 west. Cooper sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton.
- 33 Gloster east. Prentice cat.
- 34 west! Thwaites cat.
- 36 Hereford. Shawe sp.
- 37 Worcester.
- 38 Warwick. Bloxam ms.
- 39 Stafford. Fraser cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.

- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 49 Carnarvon.
- 50 Denbigh. Bowman cat.
- 52 Anglesea.
- 53 Linc. south. Bloxam ms.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby! Howitt cat.
- 58 Chester.
- 59 Lanc. south.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Tatham cat.
- 65 n. west. Ward sp.
- 66 Durham.
- 68 Cheviotland. "Oliver."
- 69 Westmoreland.
- 70 Cumberland.
- 73 Kirkcudbright. Gray ms.
- 74 Wigton. Balfour sp.
- 76 Renfrew. Montgomery cat.†
- 77 Lanark. Hennedy cat.†
- 82 Haddington.
- 83 Edinburgh!† Balfour cat.
- 85 Fife. Balfour sp.
- 87 Perth west. Syme cat.†
- 88 mid. Syme sp.
- 90 Forfar. Gardiner sp.
- 91 Kincardine. "occurs."
- 95 Elgin. Gordon cat.
- 96 Easternness?
- 00 Clyde-isles. Balfour sp.
- 01 Ross east. Stables sp.

856 *Lithospermum arvense*.

Counties all, with many exceptions northward, namely,
 41 46 51 60 71 72 73 87
 88 89 97 to 105 107 108
 109 111 112, with the usual nine. Hebrides; Balfour and Babington.

857 *Lithospermum purpuro-cæruleum*.

- 3 Devon south.
- 5 Som. south ?
- 6 north. Duthie sp.
- 15 Kent east. Smith cat.
- 16 west. Syme sp.
- 26 Suffolk west. "Bergholt."
- 41 Glamorgan. Moggridge sp.
- 50 Denbigh. Whittaker sp.
- [34 36 70]. (62 85).

858 *Mertensia maritima*.

- 46 Cardigan ?
- 49 Carnarvon. Howitt sp.
- 52 Anglesea ?
- 68 Cheviotland.
- 69 Westm. Miss Hodgson sp.
- 70 Cumberl. Kingsley sp.
- 74 Wigton. Balfour sp.
- 75 Ayr. James Wilson sp.
- 76 Renfrew. Montgomery cat.
- 81 Berwick. Johnston ms.
- 85 Fife. G. Macnab sp.
- 90 Forfar.
- 91 Kincardine. Dickie sp.
- 92 Aber. south. Dickie sp.
- 93 north. Dickie flo.
- 94 Banff. Gordon ms.
- 95 Elgin. Gordon cat.
- 96 Easterness. Stables sp.
- 97 Westerness.
- 98 Argyle. Gourlie sp.
- 00 Clyde-isles. Balfour sp.
- 01 Cantire. Balfour cat.
- 03 Eb. mid.
- 06 Ross east. Syme sp.
- 08 Sutherland west.
- 09 Caithness. Brown cat.
- 10 Hebrides.
- 11 Orkney. Gillies herb.
- 12 Shetland. Tate sp.
- Cornwall, Devon and Hants have also been reported for this plant.

859 *Symphytum officinale*.

- 1 Corn. west ! Cunnack cat.†
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north ! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north ! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south ! Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east.
- 15 Kent east. Smith cat.
- 16 west.
- 17 Surrey ! Henry Bull sp.
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex !
- 22 Berks ! Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts ! Newbould cat.
- 32 Northton ! Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Shawe sp.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Dillwyn ms.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 49 Carnarvon. Robinson cat.

- 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 54 Lincoln north.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester. Warren cat.
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west.
 64 m. west. Tatham sp.
 65 n. west. Ward cat.†
 66 Durham. Norman cat.
 67 Northumb. Bowman sp.†
 68 Cheviotland.
 69 Westmoreland.
 71 Man. Forbes cat.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 74 Wigton.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 81 Berwick.
 83 Edinburgh. Brand sp.
 84 Linlithgow. Balfour cat.†
 85 Fife. Dewar sp. Syme sp.
 87 Perth west. Syme cat.†
 90 Forfar.
 91 Kincardine. Dickson cat.
 92 Aber. south. "introduced."
 00 Clyde-isles. Hennedy cat.

860 *Symphytum*

tuberosum.

- 30 Bedford. Miss Foster ms.
 39 Stafford.
 48 Merioneth. Pamplin ms.
 54 Linc. north.
 61 York s. east. O. A. Moore.
 64 m. west. Tatham sp.
 69 Westmoreland ?
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 81 Berwick.

- 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. Boswell Syme sp.
 87 Perth west. Syme cat.
 90 Forfar. Croall sp.
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie sp.
 93 north. Dickie sp.
 94 Banff.
 95 Elgin. Gordon cat.†
 99 Dunbarton ?
 02 Eb. south. Balfour cat.

(1 13 17 19 20 24 55).
 [25 27 29 34 66]. Difficult to distinguish the three categories of habitat in the case of this plant, — indigenous, or introduced, or erroneous; perhaps the county of Bedford, long accepted in botanical books, ought to be transferred from the first to the second, if all the other south-eastern counties are rightly referred to second and third.

"I have always had doubts as to its being really indigenous" (in 91 92). "It used to be grown frequently in cottage gardens." John Roy ms.

862 *Lycopsis*

arvensis.

- Counties all, except 6 11 81
 35 46 60 69 72 86 97 98
 99. By reason of the frequent occurrence of this plant on waste ground and road-sides, and in other situations not closely connected with agriculture, it was designated "native" in *Cybele Britannica*. Profes-

sor De Candolle, however, holds it introduced into this island from southern Europe (Geog. Bot. p. 679) and perhaps rightly so.

864 *Anchusa*

sempervirens.

Counties numerous by the records, from Cornwall to Caithness; but usually reported as uncertainly native or certainly introduced. Few botanists, whose opinion is worth anything in answer to such a question, declare it an indigenous plant.

865 *Asperugo*

procumbens.

- 16 Kent west. E. Edwards.
 - 18 Essex s. "Mr. Quekett!"
 - 25 Suffolk east. Skepper flo.
 - 40 Salop. "Dr. J. Babington."
 - 49 Carnarvon. "Griffith."
 - 68 Cheviotland. Embleton sp.
 - 77 Lanark. Hennedy cat.†
 - 82 Haddington. Maughan sp.†
 - 85 Fife. W. Macnab sp.
 - 90 Forfar. Gardiner sp.
 - 95 Elgin. "Brodie herb."
 - 06 Ross east. Syme sp.
 - 07 Suth. east. Borrer 1808.
- [6 8 9 14 26 29 37; counties requiring verification].
Scarcely a true native in Britain; rather, a fugitive casual? (20 Herts).

866 *Cynoglossum*

officinale.

- 1 Corn. west. Cunnack cat.
- 2 east?
- 3 Devon south.
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.

- 6 Som. north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south!
- 12 north.
- 13 Sussex west. Warren ms.
- 14 east.
- 15 Kent east! Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne sp.
- 20 Herts. Coleman cat.
- 21 Middlesex!
- 22 Berks.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Purchas ms.
- 26 west.
- 27 Norfolk east.
- 28 west. Notcutt cat.
- 29 Cambridge.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites sp.
- 35 Monmouth. Conway cat.
- 36 Hereford. Shawe sp.
- 37 Worcester. Bagnall ms.
- 38 Warwick. Kirk cat.
- 39 Stafford. Fraser cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh! Bowman cat.
- 51 Flint. Robinson cat.
- 52 Anglesea.
- 53 Linc. south. Bloxam ms.
- 54 north. Bogg cat.
- 55 Leicester. Coleman cat.
- 56 Notts.
- 57 Derby. T. G. Rylands sp.

- 58 Chester ! Warren cat.
 59 Lanc. south ! Webb cat.
 60 west.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. "rare."
 64 m. west. "rare."
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviotland. Embleton cat.
 69 Westmoreland !
 70 Cumberland.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour cat.
 84 Linlithgow.
 85 Fife. Syme cat. "indig."
 90 Forfar.
 91 Kincardine. Alien ?
 (75 77 93 94 96 106).
 [111 ; by Lowe's list].

867 *Cynoglossum* *sylvaticum*.

- 15 Kent east.
 16 west.
 17 Surrey. Brewer sp.
 18 Essex south.
 19 north. Varenne sp.
 20 Herts.
 21 Middx. Extinct, or error ?
 23 Oxford.
 27 Norfolk east.
 31 Hunts. Newbould cat.
 32 Northton. Berkeley ms.
 33 Gloster east. Lees sp.
 34 west. Watkins sp.
 37 Worcester.
 38 Warwick. Kirk sp.
 40 Salop. "Miss MacGhie."
 [14]. (89 90). And prob-
 ably some of the counties
 named should be added to
 one or other of these cate-
 gories.

868 *Pulmonaria*

angustifolia.

- 6 Som. n. ? "Stephens hb."
 9 Dorset ?
 10 Wight. More sp.
 11 Hants south. Bromf. sp.
 (17). [25 51 63].

868 *Pulmonaria*

officinalis.

Not indigenous ; but reported
 in about three dozen coun-
 ties, and usually as an ad-
 mitted introduction.

869 *Echium*

vulgare.

Counties all, except 31 46 60
 69 71 72 73 88 89 97 98
 99 101 102 104 107 108
 111 112. In the Floras of
 Clydesdale and Moray it is
 treated as questionably indi-
 genous ; and Mr. Roy doubts
 it being truly native in Aber-
 deen or Kincardine. Not-
 withstanding its frequency
 in England, it thus comes
 almost into the category
 of "not common" plants,
 through being local in Scot-
 land, and dubiously indige-
 nous in North Britain.

872 *Pinguicula*

vulgaris.

- 3 Devon south.
 4 north.
 Somerset. Southby cat.
 9 Dorset. Pleydell cat.
 12 Hants north. Pamplin ms.
 20 Herts. Isaac Brown sp.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Pamplin ms.
 26 Suffolk west. Bunbury sp.

27 Norfolk east. Stock sp.
 28 west.
 29 Cambridge. Babington cat.
 31 Hunts. Newbould cat.
 32 Northton.
 33 Gloster east. Prentice ms.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford.
 40 Salop. Leighton ms.
 44 Carmarthen. Motley cat.
 48 Merioneth.
 49 Carnarvon! Robinson cat.
 50 Denbigh! Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea.
 54 Lincoln north.
 55 Leicester.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester. "Mr. Astley."
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviotland. Embleton.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 71 Man. Forbes cat.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 84 Linlithgow. Balfour cat.
 85 Fife. G. Lawson cat.

86 Stirling!
 87 Perth west! Syme cat.
 88 mid! Worsley cat.
 89 east!
 90 Forfar!
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness! Stables cat.
 97 Westerness!
 98 Argyle. Balfour sp.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Henedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 04 north. Lawson cat.
 06 Ross east! Gordon cat.
 07 Suth. east!
 08 west!
 09 Caithness. Brown cat.
 10 Hebrides.
 11 Orkney. Syme sp.
 12 Shetland. Tate sp.

N.B. This enumeration of counties would make the *Pinguicula* a commoner plant than the *Echium*; and the more so because human agency has tended to lessen the localities for the former, while it has increased those for the latter plant. Of course it is the frequency of this plant in Scotland, which balances against its rarity in South England.

873 *Pinguicula alpina*.

04 Skye. "James Mackay."
 06 Ross east. Stables sp.
 [111 Orkney; Lowe's list; not confirmed, and perhaps *lusitanica*].

874 Pinguicula lusitanica.

- 1 Corn. west ! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south ! Russell sp.
- 4 north ?
- 5 Som. south. Crotch sp.
- 6 north ?
- 8 Wilts south ? Flower cat.
- 9 Dorset. Trevelyan sp.
- 10 Wight. Bromfield.
- 11 Hants south. Notcutt cat.
- 71 Man. Forbes to Brand sp.
- 75 Ayr. Duncan cat.
- 96 Easternness. Coll. Mor.
- 97 Westernness. Lloyd sp.
- 98 Argyle. Hooker sp.
- 00 Clyde-isles. Balfour sp.
- 01 Cantire. Balfour sp.
- 02 Eb. south. Balfour cat.
- 04 north. Lawson cat.
- 05 Ross west.
- 06 east. Gordon ms.
- 07 Suth. east. Campbell sp.
- 08 west !
- 09 Caithness. Brown cat.
- 10 Hebrides.

875 Utricularia vulgaris.

- 1 Corn. west.
- 2 east.
- 3 Devon south.
- 4 north.
- 6 Som. north. Thwaites ms.
- 7 Wilts north.
- 8 south.
- 9 Dorset. Pleydell cat.
- 10 Wight !
- 11 Hants south. Notcutt ms.
- 12 north !
- 13 Sussex west ! Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east ! Smith cat.
- 16 west.
- 17 Surrey !

- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Extinct ?
- 22 Berks. Britten cat.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west. Bunbury sp.
- 27 Norfolk east. Paget sp.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton !
- 38 Warwick. Kirk cat.
- 39 Stafford.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 49 Carnarvon. Robinson cat.
- 51 Flint. Robinson cat.
- 52 Anglesea. Robinson cat.
- 54 Linc. north. Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby. Bloxam sp.
- 58 Chester. Warren cat.
- 59 Lanc. south.
- 61 York s. east.
- 62 n. east. Bloxam ms.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 65 n. west.
- 66 Durham. Bowman sp.
- 67 Northumb. Bowman sp.
- 68 Cheviotland.
- 69 Westmoreland.
- 70 Cumberland. "Bentall."
- 72 Dumfries. Gray cat. co.
- 73 Kirkcudbright. Gray cat.
- 75 Ayr. Duncan cat.
- 77 Lanark ?
- 80 Roxburgh. Duncan cat.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh ! Balfour cat.

- 85 Fife.
 90 Forfar.
 91 Kincard. "Miss Boswell."
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness. Stables cat.
 00 Clyde-isles. Hennedy cat.
 06 Ross east. Gordon cat.
 10 Hebrides.
 11 Orkney. "Miss Boswell."
 12 Shetland. "scarce."
 N.B. The above enumeration
 will include *neglecta* also;
 the counties for it not being
 yet separable from those
 which possess the more usual
 form of *vulgaris* only.

876 *Utricularia* *intermedia*.

- 9 Dorset. Borrer ms.
 11 Hants south. "Borrer."
 28 Norfolk west. Trimmer flo.
 67 Northumb. Thompson sp.
 69 Westmoreland. "Hort."
 70 Cumberland. Winch. con.
 81 Berwick. Border flo.
 90 Forfar. Maughan sp.
 91 Kincardine. Dickie sp.
 92 Aber. south. North. flo.
 98 Argyle. "Winch add."
 05 Ross west. Ch. Bab. sp.
 07 Suth. east. Graham ex.
 08 west. Excurs. 1827.
 [Devon, Somerset, Bucks,
 Gloucester, Elgin have also
 been recorded]. I do not
 clearly understand this spe-
 cies. It seems to me that
 Mr. Wintle's Gloucester-
 shire specimen, through Ex-
 change Club, belongs to
minor, though distributed as
intermedia.

877 *Utricularia* *minor*.

- 2 Corn. east. Pascoe cat.
 6 Som. north. Withers ms.
 9 Dorset. Pleydell cat.
 10 Wight. Bromfield ms.
 11 Hants south. Notcutt cat.
 12 north.
 Sussex. Borrer cat. co.
 15 Kent east. Syme sp.
 17 Surrey! Salmon sp.
 21 Middlesex. Extinct?
 25 Suffolk east. Paget sp.
 26 west.
 27 Norfolk east. Prentice sp.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton.
 Gloucester? Wintle sp.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 45 Pembroke. Babington cat.
 46 Cardigan.
 49 Carnarvon. Robinson cat.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 54 Linc. north.
 58 Chester. F. M. Webb sp.
 59 Lanc. south.
 61 York s. east.
 62 n. east.
 63 s. west. Harrison sp.
 64 m. west.
 65 n. west.
 67 Northumb. Thornhill sp.
 68 Cheviotland.
 69 Westmoreland!
 70 Cumberland.
 72 Dumfries. Dalzell sp.
 73 Kirkeudbright. Gray cat. co.
 75 Ayr. Duncan cat.
 77 Lanark. Lyon sp.
 83 Edinburgh.

- 85 Fife.
- 90 Forfar.
- 91 Kincardine.
- 92 Aber. south. Dickie sp.
- 94 Banff.
- 95 Elgin. Gordon sp.
- 96 Easternness. Brichtan sp.
- 99 Dunbarton.
- 00 Clyde-isles. Hennedy cat.
- 02 Eb. south. Balfour cat.
- 04 north. Lawson cat.
- "Repack." Ch. Bab. sp.
- 08 Suth. west. Graham exc.
- 10 Hebrides. "N. Uist."
- [8 and 56; needing confirmation, and some others also].

878 Primula
vulgaris.

- Counties all, except 41 46 53
60 86 107; doubtless to be
found in every county.

879 Primula
elatior!

- 19 Essex north. Doubleday sp.
- 26 Suffolk west. J. Ray sp.
- 29 Cambridge. Babington cat.

880 Primula
veris.

- 1 Corn. west. Cunnack cat.
- 2 east. Pascoe cat.
- 3 Devon south. Briggs cat.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west! Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east. Smith cat.

- 16 Kent west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex. Hind cat.
- 22 Berks!
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Coleman ms.
- 26 west. Babington ms.
- 27 Norfolk east.
- 28 west. Notcutt cat.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton. Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 35 Monmouth. Watkins sp.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford! Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan. Barnard ms.
- 44 Carmarthen. Motley cat.
- 45 Pembroke.
- 49 Carnarvon! Robinson cat.
- 50 Denbigh. Bowman cat.
- 51 Flint! Robinson cat.
- 52 Anglesea. Robinson cat.
- 53 Linc. south! Bloxam cat.
- 54 north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby! Howitt cat.
- 58 Chester! Warren cat.
- 59 Lanc. south. Webb cat.
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west. Lees cat.
- 64 m. west. Tatham sp.
- 65 n. west. Ward cat.
- 66 Durham. Bowman sp.
- 67 Northumb. Storey sp.

- 68 Cheviot. Embleton cat.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 71 Man. Forbes cat.
 73 Kirkcudbright. Gray ms.
 75 Ayr. J. P. Duncan cat.
 80 Roxb. James Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour cat.
 84 Linlithgow.
 85 Fife! G. Lawson ms.
 88 Perth mid?
 90 Forfar.
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff. Dickie Guide.
 08 Suth. west!
 09 Caithness! Brown cat.†
 (76 77 87 95 96 100 111;
 mentioned as an introduced
 plant in these counties.)
 Certainly a rare plant in
 Scotland; but it appeared
 to me to be genuinely indi-
 genous in Fife, Aberdeen,
 Sutherland, and perhaps
 Caithness.

881 Primula**farinosa.**

- 49 Carnarvon. Robinson ms.
 60 Lanc. west. Simpson sp.
 62 York n. east. Baker sp.
 63 s. west?
 64 m. west. Tatham sp.
 65 n. west. Ward sp.
 66 Durham. Bowman sp.
 67 Northumb. Storey sp.
 68 Cheviotland.
 69 Westmoreland!
 70 Cumberland.
 78 Peebles. G. Macnab sp.
 [2 16 26 51 83; misre-
 ported counties].

882 Primula**scotica.**

- 94 Banff?
 08 Suth. west! Oliver sp.
 09 Caithness! Brown cat.
 11 Orkney. Syme sp.

884 Trientalis**europæa.**

- 62 York n. east. Mudd sp.
 63 s. west. Leyland sp.
 64 m. west?
 65 n. west.
 66 Durham.
 67 Northumberland.
 68 Cheviot. Embleton sp.
 69 Westmoreland.
 70 Cumberland.
 72 Dumfries. "A. Hutton."
 75 Ayr. Duncan cat.
 77 Lanark. "Mr. Soubki."
 79 Selkirk.
 81 Berwick.
 83 Edinburgh. Balfour sp.
 85 Fife. Boswell Syme sp.
 86 Stirling. G. Macnab sp.
 87 Perth west.
 88 mid!
 89 east.
 90 Forfar!
 91 Kinc. Mrs. Dickson ms.
 92 Aber. south! Dickie sp.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easterness! Stables sp.
 97 Westerness. Ch. Bab. ms.
 00 Clyde-isles.
 06 Ross east.
 09 Caithness. Brown cat.
 11 Orkney?
 12 Shetland. Hewitson sp.

885 Hottonia**palustris.**

- 5 Som. south. Collins ms.

- 6 Som. north. Thwaites cat.
- 8 Wilts south.
- 9 Dorset.
- 12 Hants north.
- 13 Sussex west. Borrer cat.
- 14 east. Hall cat.
- 15 Kent east! Smith cat.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex.
- 22 Berks. Britten cat.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock sp.
- 26 west.
- 27 Norfolk east. Paget sp.
- 28 west. Cooper sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts! Newbould cat.
- 32 Northton!
Gloster. Lees sp.
- 37 Worcester.
- 38 Warwick. Bree ms.
- 39 Stafford.
- 40 Salop. Bowman sp.
- 49 Carnarvon. Babington sp.
- 50 Denbigh. Bowman cat.
- 51 Flint. Robinson cat.
- 52 Anglesea. Robinson cat.
- 53 Linc. south. Bloxam ms.
- 54 north. Bogg cat.
- 55 Leicester. Bloxam cat.†
- 56 Notts.
- 57 Derby. Church. Bab. sp.
- 58 Chester. Bowman ms.
- 59 Lanc. south! Webb cat.
- 60 west.
- 61 York s. east.
- 62 n. east. Storey sp.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 65 n. west.
- 66 Durham. Syme sp. 1844.

- 69 Westmoreland.
[90 Forfar; not reliable].

886 *Lysimachia vulgaris*.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 6 Som. north. Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south!
- 12 north!
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.
- 15 Kent east! Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne ms.
- 20 Herts.
- 21 Middlesex!
- 22 Berks! Britten cat.
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Stock cat.
- 26 west. Bunbury sp.
- 27 Norfolk east.
- 28 west. Miss Bell sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts! Newbould cat.
- 33 Gloster east. Prentice cat.
- 34 west. Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Shawe sp.
- 37 Worcester. "Davis" sp.
- 38 Warwick. Kirk cat.
- 39 Stafford. Fraser cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 49 Carnarvon. Robinson cat.

- 51 Flint. Robinson cat.
 53 Linc. south!
 54 north. Bogg cat.
 55 Leicester.
 56 Notts.
 57 Derby. J. Whittaker.
 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Barker cat.
 63 s. west. Lees cat.
 64 m. west. Lees cat.
 65 n. west.
 66 Durham. Bowman sp.
 67 Northumb. "Fairlamb!"
 69 Westmoreland.
 70 Cumberland.
 72 Dumfries.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henedy cat.
 77 Lanark. Balfour sp.
 81 Berwick. Extirpated?
 83 Edinburgh. Balfour cat.†
 84 Linlithgow.
 85 Fife. Syme sp. & cat.†
 86 Stirling. "Mr. Learmouth."
 87 Perth west.
 91 Kincardine.
 92 Aber. south. Dickie cat.
 99 Dunbarton! Maughan sp.
 03 Eb. mid.

887 *Lysimachia* *thyrsiflora*.

- 56 Notts. Berkeley ms.
 62 York n. east. Baker cat.
 65 n. west. Baker bot.
 75 Ayr. Duncan cat.
 77 Lanark. Gourlie sp. H. cat.†
 83 Edinburgh. Balfour cat.
 84 Linlithgow. Balfour cat.
 86 Stirling. Christie sp.
 89 Perth east. Hay, exc. club.
 90 Forfar. Croall sp.
 99 Dunbarton?

(67 planted by Sole, and perhaps extinct). [20 52 58 61 63 64 70 91 92; insufficiently vouched, and mostly errors].

888 *Lysimachia* *nummularia*.

- 3 Devon south. Briggs cat.†
 4 north. Maw cat.
 6 Som. north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west! Trevelyan sp.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex! Hind cat.
 22 Berks!
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Stock cat.
 26 west.
 27 Norfolk east. Paget sp.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton! Notcutt cat.
 33 Gloster east. Morley sp.
 34 west. Thwaites cat.
 35 Monmouth. Watkins sp.
 36 Hereford. Purchas cat.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.
 40 Salop.
 41 Glamorgan.
 44 Carmarthen. Motley cat.

- 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 53 Linc. south!
 54 north! Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Buckland sp.
 58 Chester. Warren cat.
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. "native."
 67 Northumb. Extinct?
 69 Westmoreland.
 70 Cumberland. Baker cat.
 72 Dumfries.
 75 Ayr. Duncan cat.
 76 Renfrew. Balfour sp.
 77 Lanark. Hennedy cat.†
 86 Stirling. W. Galt sp.
 (10 80 81 83 85 90 100;
 Uncertainly indigenous in
 Scotland, and also in Eng-
 land beyond York and Dur-
 ham. By the Border Flora
 and the Edinburgh Flora it
 is an introduced plant in the
 East Lowlands).

889 *Lysimachia nemorum*.

- Counties all, except 31 46 53
 72 86 98 107 110 111 112.
 A frequent plant, but not
 quite a common one. Per-
 haps to be found in every
 county from Cornwall to
 Caithness, unless that of
 Huntingdon should be a real
 exception; and it is said to
 be rare or very local in Bed-
 ford and Cambridge.

890 *Anagallis arvensis*.

- Counties all, except 46 60 86
 88 89 93 97 98 102 to 112.
 Scarcely entitled to a higher
 predial grade in North Bri-
 tain than that of a casual
 colonist. *Anagallis cærulea*
 has the like character for
 Britain generally; see Comp.
 Cyb. Brit. p. 550.

891 *Anagallis tenella*.

- Counties all, except 16 21 23
 34 80 86 to 90 97 99 104
 to 108; some of which may
 be real exceptions to a comi-
 tal generality.

892 *Centunculus minimus*.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south.
 12 north.
 13 Sussex west. Borrer cat.
 14 east. Smith cat.
 15 Kent east.
 16 west.
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts.
 21 Middlesex.
 24 Bucks. 23 Oxf. Warren!
 25 Suffolk east.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge.
 30 Bedford.
 36 Hereford.

37 Worcester.
 41 Glamorgan. Henfrey ms.
 46 Cardigan. Gibson ms.
 49 Carnarvon. Robinson cat.
 50 Denbigh.
 52 Anglesea. Bowman sp.
 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east.
 64 m. west. Twining sp.
 69 Westmoreland.
 70 Cumberland.
 71 Man. Jowett to Howitt sp.
 72 Dumfries. Gray cat. co.
 75 Ayr. G. Macnab sp.
 76 Renfrew.
 77 Lanark ?
 81 Berwick. Embleton ms.
 85 Kinross. Balfour ms.
 88 Perth mid. Worsley sp.
 90 Forfar.
 92 Aber. south.
 95 Elgin. Gordon cat.
 96 Easternness. Stables sp.
 00 Clyde-isles. Hennedy cat.

893 Samolus

Valerandi.

1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! Miss Twining sp.
 11 Hants south! Notcutt cat.
 13 Sussex west! Borrer cat.
 14 east. Hall cat.
 15 Kent east! Smith cat.
 16 west.
 17 Surrey. Salmon in flo.
 18 Essex south.

19 Essex north. Varenne ms.
 20 Herts. S. Lucas sp.
 21 Middlesex.
 22 Berks.
 23 Oxford.
 25 Suffolk east. Stock cat.
 26 west. Bunbury sp.
 27 Norfolk east.
 28 west. Cooper sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 37 Worcester.
 38 Warwick. "Bromwich."
 39 Stafford. Fraser cat.
 40 Salop.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan.
 48 Merioneth.
 49 Carnarvon. Bowman ms.
 51 Flint! Robinson cat.
 52 Anglesea. Robinson cat.
 54 Linc. north! Bogg cat.
 55 Leicester. Bloxam ms.
 56 Notts.
 57 Derby. Bloxam ms.
 58 Chester! Warren cat.
 59 Lanc. south. Ch. Bab. sp.
 60 west. Syme sp.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 65 n. west.
 66 Durham. Bowman sp.
 67 Northumberland.
 68 Cheviot. Embleton sp.
 69 Westmoreland.
 70 Cumberland.
 71 Man. Forbes cat.
 72 Dumfries. Gray cat.
 73 Kirkcudbright. Gray cat.
 74 Wigton. Balfour sp.

- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.
- 81 Berwick,
- 82 Haddington. Balfour cat.
- 84 Linlithgow.
- 85 Fife.
- 95 Elgin. Gordon cat.
- 98 Argyle. Gordon ms.
- 99 Dunbarton. Hooker sp.
- 00 Clyde-isles. Balfour sp.
- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour cat.
- 04 north. Lawson cat.

894 Glaux**maritima.**

Counties all the maritime, except 16 21 53 74 77 88 89 103 105 107; in most of these it likely occurs.

895 Armeria**maritima.**

Counties all the maritime, except 21 35 48 53 74 77 89 105 107; likely to occur in nearly all of these counties. Inland on mountains.

897 Statice**Limonium.**

Cornwall?

- 3 Devon south.
- 4 north! Maw cat.
- 6 Som. north. Thwaites sp.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt sp.
- 13 Sussex west.
- 14 east. Hall cat.
- 15 Kent east. Smith sp.
- 16 west! Syme sp.
- 18 Essex south. Syme sp.
- 19 north. Varenne cat.
- 25 Suffolk east. Purchas cat.
- 28 Norfolk west. Miss Bell sp.

- 29 Cambridge. Babington cat.
- 34 Gloster west?
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 48 Merioneth.
- 49 Carnarvon. Robinson cat.
- 52 Anglesea. Robinson cat.
- 53 Linc. south. Butler sp.
- 54 north! Howitt sp.
- 58 Chester! T. B. Hall sp.
- 60 Lanc. west. Syme sp.
- 62 York n. east. Baker sp.
- 66 Durham. Norman cat.
- 68 Cheviot. Embleton sp.
- 69 Westmoreland. Oliver ms.
- 70 Cumberland.
- 72 Dumfries. Gray cat. co.
- 73 Kirkcudbright. Lloyd ms.
- 74 Wigton. Eng. Bot. ed. 3.
- 85 Fife. "J. W. Brown."
- [112 Shetland Flora].

898 Statice**Bahusiensis.**

- 10 Wight. More cat.
- 11 Hants south. Notcutt sp.
- 13 Sussex west. Holman sp.
- 15 Kent east. Brent sp.
- 16 west. Syme sp.
- 18 Essex south.
- 19 north. Syme sp.
- 25 Suffolk east.
- 28 Norfolk west.
- 45 Pembroke. Babington cat.
- 60 Lanc. west. Syme sp.
- 62 York n. east.
- 68 Cheviotl. "Maclagan!"
- 69 Westmoreland. Oliver sp.
- 70 Cumberl. Heysham sp.
- 72 Dumfries. Cruickshank sp.
- 73 Kirkcudb. Eng. Bot. ed. 3.
- 74 Wigton. Gourlie sp.
- [3 4 Rav. Flora of Devon].

899 Statice**binervosa.**

- 1 Corn. west. Cunnack cat.
- 2 east. Hore sp.
- 3 Devon south. Hooker sp.
- 4 north. Maw cat.
- 5 Somerset north.
- 9 Dorset. Boswell Syme sp.
- 14 Sussex east. Norman sp.
- 15 Kent east! Trevelyan sp.
- 27 Norfolk east. Babington sp.
- 28 west. Notcutt sp.
- 41 Glamorgan. Ball sp.
- 45 Pembroke. Lees sp.
- 48 Merioneth.
- 49 Carnarvon. Howitt sp.
- 52 Anglesea. Bowman sp.
- 54 Linc. north. "H. E. Smith."
- 58 Chester. Warren sp.
- 60 Lanc. west. Syme sp.
- 70 Cumberland. Brady sp.
- 74 Wigton. Balfour sp.
- [10 13; counties needing
confirmation].

900 Statice caspia.

- 27 Norfolk east. Babington sp.
- 28 west. Notcutt sp.
- 29 Cambridge.
- 53 Linc. south?
- 54 north. "Banks herb."
- [6 15 70; misnomers].

901 Plantago major.

Counties all, except only the
nine named on page 20.

902 Plantago media.

- 1 Corn. west.
- 2 east. Briggs cat.†
- 3 Devon south. Briggs cat.†
- 4 north.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.

- 8 Wilts south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west! Borrer cat.
- 14 east!
- 15 Kent east! Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex! Hind cat.
- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Purchas ms.
- 26 west. Babington ms.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton! Notcutt cat.
- 33 Gloster east. Prentice cat.
- 34 west! Thwaites sp.
- 35 Monmouth. Conway cat.
- 36 Hereford. Shawe sp.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke.
- 46 Cardigan. Purchas ms.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh. Bowman cat.
- 51 Flint!
- 53 Linc. south!
- 54 north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby! Howitt cat.
- 58 Chester!

- 59 Lanc. south. Webb cat.†
 60 west !
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Norman cat.
 67 Northumb. Storey sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland !
 70 Cumber. "W. Robinson sp."
 72 Dumfries. Gray cat.
 75 Ayr. Duncan cat.
 80 Roxburgh. Duncan cat.
 81 Berwick. Syme sp.
 82 Haddington.
 83 Edinburgh ! Babington cat.
 85 Fife.
 90 Forfar.
 91 Kincardine.
 92 Aber. south ?
 93 north. Dickie flo.
 (77 112). [111]. Is it truly
 wild in any county of North
 Britain ?

903 *Plantago*

lanceolata.

Counties all, except only the
 usual nine, as named on
 page 20.

904 *Plantago*

maritima.

Counties all the maritime, ex-
 cept 16 21 73 74 89. It
 occurs also in some few of
 the exclusively inland coun-
 ties, for example in Mid-west
 and North-west York.

905 *Plantago*

Coronopus.

Counties all, except 31 32 33
 53 64 65 73 77 80 86 88

89 97 104, with the usual
 nine, in addition.

906 *Littorella*

lacustris.

- 1 Corn. west ! Cunnack cat.
 2 east. Pascoe cat.
 3 Devon south. Briggs cat.
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 8 Wilts south. Flower cat.
 9 Dorset. Pleydell cat.
 11 Hants south.
 12 north !
 13 Sussex west.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 17 Surrey !
 18 Essex south.
 20 Herts.
 21 Middlesex.
 22 Berks.
 24 Bucks.
 25 Suffolk east.
 26 west.
 27 Norf. east. Woodward sp.
 29 Cambridge ?
 37 Worcester ?
 38 Warwick. Dr. Lloyd sp.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 43 Radnor.
 48 Merioneth.
 49 Carnarvon. Bowman ms.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 55 Leicester.
 56 Notts.
 58 Chester. Warren cat.
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west.
 64 m. west. Lees cat.
 65 n. west. Ward sp.

- 67 Northumb. Storey sp.
- 68 Cheviotland. Tate ms.
- 69 Westmoreland.
- 70 Cumberland! Oliver sp.
- 72 Dumfries. P. Gray ms.
- 73 Kirkcudbright. Gray cat.
- 75 Ayr. Duncan cat.
- 77 Lanark. Hooker sp.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh. Lloyd sp.
- 84 Linlithgow. J. B. Balf. ms.
- 85 Fife. Syme cat.
- 87 Perth west. Syme cat.
- 88 mid! Worsley cat.
- 90 Forfar.
- 91 Kinc. Miss Boswell ms.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 94 Banff.
- 95 Elgin. Gordon cat.
- 96 Easternness. Stables cat.
- 99 Dunbarton. Hooker sp.
- 00 Clyde-isles. Balfour sp.
- 02 Eb. south. Balfour cat.
- 04 north. Lawson cat.
- 06 Ross east. Stables sm.
- 09 Caithness. Brown cat.
- 10 Hebrides.
- 11 Orkney. Syme cat.
- 12 Shetland.

908 *Chenopodium* *olidum*.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.†
- 3 Devon south. Goulding sp.
- 4 north. Maw cat.
- 6 Som. north.
- 8 Wilts south.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south. Notcutt cat.
- 14 Sussex east. Bromf. sp.
- 15 Kent east! Stevens sp.
- 16 west.

- 17 Surrey!
 - 18 Essex south.
 - 19 north. Varenne cat.†
 - 20 Herts.
 - 21 Middlesex.
 - 23 Oxford.
 - 24 Bucks.
 - 25 Suff. east.
 - 26 west. Babington ms.
 - 27 Norf. east. Woodward ms.
 - 28 west. Miss Bell sp.
 - 29 Cambridge. Babington cat.
 - 32 Northton.
 - 49 Carnarvon. Robinson cat.
 - 52 Anglesea. Robinson cat.
 - 54 Linc. north. Bogg cat.
 - 55 Leicester?
 - 56 Notts.
 - 57 Derby. Bloxam sp.†
 - 64 York m. west. "colonist."
 - 66 Durham. "colonist."
 - 67 Northumb. "colonist."
 - 69 Haddington?
 - 83 Edinburgh. Maughan sp.
 - 85 Fife?
- (59 60 62 63; "naturalised" or casual).

909 *Chenopodium* *polyspermum*.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.†
- 3 Devon south. Tate sp.
- 5 Som. south. Coleman cat.
- 7 Wilts north? Flower cat.
- 8 south.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south.
- 13 Sussex west. Borrer cat.
- 14 east. A. Carr sp.
- 15 Kent east. Stevens sp.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.

- 20 Herts.
- 21 Middlesex. Hind cat.
- 22 Berks !
- 23 Oxford.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 31 Hunts. Newbould cat.
- 32 Northton !
- 33 Gloster east. Prentice cat.
- 35 Monmouth. Hort sp.
- 36 Hereford. Purchas ms.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 40 Salop. Leighton cat.
- 44 Carmarthen. Motley cat.
- 49 Carnarvon.
- 52 Anglesea. Robinson cat.
- 55 Leicester. Bloxam cat.
- 56 Notts. Mrs. Russell ms.
- 57 Derby. Howitt sp.
- 62 York n. east.
- 65 n. west.
- (59 66). [61 64 90; report-
ed, but need confirmation].

910 Chenopodium
urbicum.
intermedium.

- 1 Corn. west !
- 3 Devon south.
- 5 Som. south.
- 6 north ?
- 8 Wilts north ?
- 10 Wight. More cat.
- 11 Hants south. Notcutt cat.
- 13 Sussex west. Borrer cat.
- 14 east. A. Carr sp.
- 16 Kent west.
- 17 Surrey !
- 18 Essex south.
- 19 north. Varenne sp.
- 20 Herts.

- 21 Middlesex. Pamplin ms.
- 23 Oxford. Beesley cat.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge ?
- 30 Bedford.
- 33 Gloster east. Prentice cat.
- 35 Monmouth.
- 36 Hereford. Purchas ms.
- 37 Worcester.
- 38 Warwick.
- 39 Stafford.
- 40 Salop.
- 55 Leicester.
- 58 Chester.
- 61 York s. east.
- 62 n. east. Baker cat.
- 64 m. west. "colonist."
- 65 n. west. "colonist."
- 66 Durham. "colonist."
- 68 Cheviotland. "colonist."
- (81 83). [8 9 50 92]. It
is to be feared that very
little reliance ought to be
placed on recorded habitats
for this plant; states of
rubrum being mistaken for
it. Indeed, few botanists
appear able to name the
Chenopodia correctly.

911 Chenopodium
rubrum.

- 1 Corn. west. Gibson sp.
- 2 east. Pascoe cat.
- 3 Devon south. Tate sp.
- 4 north.
- 6 Som. north ! Thwaites cat.
- 7 Wilts north. Preston ms.
- 8 south.
- 9 Dorset. Pleydell cat.
- 10 Wight. More ms.
- 13 Sussex west. Borrer cat.
- 14 east. Coleman cat.

15 Kent east! Syme sp.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne sp.
 20 Herts. Blow ms.
 21 Middlesex! Syme sp.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east. Syme sp.
 28 west. Syme sp.
 29 Cambridge.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton. Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west! Thwaites sp.
 36 Hereford. Purchas ms.
 37 Worcester.
 38 Warwick. Kirk cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 49 Carnarvon. Robinson cat.
 51 Flint! Robinson cat.
 52 Anglesea. Robinson cat.
 53 Linc. south!
 54 north!
 55 Leicester. Ch. Bab. ms.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester. Bowman sp.
 59 Lanc. south.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west.
 66 Durham.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Montgomery cat.
 77 Lanark. Hennedy cat.†

81 Berwick.
 83 Edinburgh.
 85 Fife. Boswell Syme sp.
 92 Aber. south. An error?

911 *Chenopodium botryoides*.

15 Kent east! Syme sp.
 16 west. Syme sp.
 18 Essex south? Gibson flo.
 19 north? Gibson flo.
 25 Suffolk east. Eng. flo.
 27 Norfolk east. Paget sp.
 [2 13 or 14 17 21 28 49
 67 85; in all these counties
 it is probable that *pseudo-*
botryoides, the dwarf variety
 of *Ch. rubrum*, has been mis-
 taken for true *botryoides*].

912 *Chenopodium murale*.

1 Corn. west.
 2 east. Briggs cat.†
 3 Devon south. Briggs cat.†
 6 Som. north. Collins ms.
 9 Dorset. Mansell-Pleydell sp.
 10 Wight! More cat.
 11 Hants south. Notcutt sp.
 13 Sussex west! Borrer cat.
 14 east.
 15 Kent east! Stevens sp.
 16 west.
 17 Surrey! Christy sp.
 18 Essex south.
 19 north. Varenne cat.
 20 Herts.
 21 Middlesex. Christy sp.
 23 Oxford. Beesley cat.
 24 Bucks.
 25 Suffolk east.
 27 Norfolk east.
 28 west. Miss Bell ms.
 29 Cambridge.
 30 Bedford.
 34 Gloster west. Thwaites sp.†

- 36 Hereford. Purchas ms.
 38 Warwick. Bree cat.
 40 Salop. Leighton cat.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington sp.
 46 Cardigan. Atwood sp.
 55 Leicester. Bloxam cat.
 56 Notts.
 58 Chester. Warren cat.
 59 Lanc. south.
 60 west. Syme sp.
 62 York n. east. Baker cat.
 64 m. west.
 66 Durham.
 67 Northumberland.
 [7 50 68 71 77 80 90; in-
 sufficiently vouched, and
 perhaps all erroneous].

913 *Chenopodium* hybridum.

- 5 Som. south. Coleman cat.
 9 Dorset. Mansel-Pleydell sp.
 16 Kent west! Dr. Bossey sp.
 17 Surrey! Salmon sp.
 18 Essex south.
 19 north. Varenne sp.
 20 Herts.
 21 Middlesex.
 23 Oxford?
 25 Suffolk east.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge.
 30 Bedford.
 32 Northton. Berkeley ms.
 34 Gloster west. Thwaites cat.
 37 Worcester. Westcombe sp.
 38 Warwick. Bromwich sp.
 40 Salop. Leighton cat.
 59 Lanc. south?
 [6]. (66 67 83).

914 *Chenopodium* album.

- Counties all, except 5 46 57
 73 86 97 98 104 108.

915 *Chenopodium* ficifolium.

- 13 Sussex west. Borrer cat.
 14 east.
 16 Kent west. Syme sp.
 17 Surrey! Christy sp.
 18 Essex south.
 19 north. Varenne sp.
 20 Herts.
 21 Middlesex! Syme sp.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 62 York n. east.
 [8 9 11 34 40 55; re-
 quiring verification]. (66
 67; on ballast hills). The
paganum or *virescens* form of
album is occasionally mis-
 taken for this species. I
 have seen it only in and
 from localities in the Thames
 province.

916 *Chenopodium* glaucum.

- 10 Wight. Stratton sp.
 17 Surrey! Only once seen.
 18 Essex south. Gibson flo.
 19 north. Syme sp.
 21 Middlesex. Syme sp.
 27 Norfolk east. Trimmer flo.
 28 west. Trimmer flo.
 41 Glamorgan. Gutch cat.
 62 York n. east. Baker bot.
 66 Durham. Ward sp.
 67 Northumb. New flo.
 85 Fife. Syme sp. & ms.†
 N.B. Very scarce, and uncer-

tain in its localities.

917 *Chenopodium*

Bonus-Henricus.

Counties all, except 32 46 53
60 73 88 89 97 98 99 101
to 105 107 108 110 111
112. The indigenous-ness
of this plant is looked upon
with doubt; more especially
so in Scotland, where few
writers declare it truly
native.

918 *Obione*

portulacoides.

2 Corn. east. Briggs cat.
3 Devon south. Briggs cat.
5 Som. south. Collins ms.
6 north. Collins ms.
9 Dorset. Bell Salter sp.
10 Wight! More cat.
11 Hants south. Notcutt sp.
13 Sussex west! Borrer ms.
14 east. Hall cat.
15 Kent east! Buckland sp.
16 west!
18 Essex south.
19 north. Varenne ms.
25 Suffolk east. Woodward sp.
27 Norfolk east.
28 west.
29 Cambridge. Babington cat.
41 Glamorgan.
44 Carmarthen. Motley cat.
45 Pembroke. Purchas ms.
49 Carnarvon. Robinson cat.
52 Anglesea. Robinson cat.
54 Linc. north! Howitt sp.
58 Chester!
59 Lanc. south.
60 west. Syme sp.
61 York s. east.
62 n. east.
66 Durham. Norman cat.
67 Northumberland.

69 Westmoreland. Oliver sp.

74 Wigton. Balfour sp.

75 Ayr. Duncan cat.

[83 89; extinct or errors?].

919 *Obione*

pedunculata.

15 Kent east! Syme sp.
16 west. Syme sp.
25 Suffolk east. Stock sp.
27 Norfolk east. Paget sp.
28 west.
29 Cambridge. Extinct?
53 Linc. south. Banks in B. G.
(44 66; on ballast).

920 *Atriplex*

laciniata.

arenaria.

1 Corn. west.
2 east.
3 Devon south. Briggs cat.
4 north.
5 Som. south. Collins ms.
6 north. Collins ms.
9 Dorset?
10 Wight! More cat.
13 Sussex west.
14 east.
15 Kent east! Syme sp.
18 Essex south. Syme sp.
19 north. Christy sp.
25 Suffolk east. Purchas ms.
27 Norfolk east. Extinct?
28 west.
52 Anglesea.
54 Linc. north. Howitt ms.
58 Chester. Warren ms.
59 Lanc. south. Bloxam ms.
60 west. Syme sp.
62 York n. east. Baker ms.
66 Durham.
67 Northumberland.
68 Cheviotland.
69 Westmoreland.
70 Cumberland.

- 75 Ayr.
 76 Renfrew.
 98 Argyle.
 99 Dunbarton ?
 00 Clyde-isles.
 01 Cantire.
 02 Eb. south.
 06 Ross east ?
 08 Sutherland west !
 [83 85 90 92 95 96 111 ;
 need verification; as perhaps
 also some of the counties
 named].
 N.B. Dr. Ascherson has shown
 that our plant is really the
Atriplex laciniata of Linneus
 ("Spec. plant. ed. 1, p. 1053,
 no. 5, exclud. syn. flo. suec.")
 and thus improperly re-
 named by Joseph Woods.

**921 *Atriplex*
Babingtonii.**

- 1 Corn. west.
 2 east. Pascoe cat.
 3 Devon south. Parfitt sp.
 4 north.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.
 9 Dorset. Mansel-Pleydell sp.
 10 Wight! More cat.
 11 Hants south !
 13 Sussex west. Warren ms.
 15 Kent east! Syme sp.
 16 west!
 18 Essex south.
 19 north. Varenne sp.
 21 Middlesex ? Hind cat.†
 25 Suffolk east. Purchas ms.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 34 Gloster west! Thwaites cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.

- 46 Cardigan. Atwood ms.
 49 Carnarvon. Hunt sp.
 52 Anglesea ?
 54 Linc. north !
 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.
 62 York n. east. Baker sp.
 66 Durham.
 67 Northumb. Storey sp.
 68 Cheviotland. Embleton cat.
 70 Cumberland. Addison sp.
 74 Wigton. Balfour sp.
 75 Ayr. Balfour sp.
 76 Renfrew. Hennedy cat.
 81 Berwick. Gourlie sp.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour sp.
 84 Linlithgow.
 85 Fife. Boswell Syme sp.
 87 Perth west. Syme ms.
 90 Forfar. Croall sp.
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie cat.
 94 Banff.
 95 Elgin. Gordon cat.
 97 Westerness. Ch. Bab. ms.
 99 Dunbarton. Ch. Bab. sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 04 north. Ch. Bab. ms.
 10 Hebrides.
 11 Orkney. Syme cat.
 12 Shetland. Tate cat.
 [21 37 106 ; need confirma-
 tion].

**922 *Atriplex*
hastata.
patula, Sm.**

Counties all, except 46 71 73
 84 88 97 101 106 107 110,
 with the usual nine others.

**922 *Atriplex*
deltoidea.**

- 1 Corn. west.
 2 east.
 3 Devon south. Briggs cat.
 6 Som. north. Hort sp.
 9 Dorset.
 10 Wight. Pleydell cat.
 12 Hants north.
 13 Sussex west. Borrer cat.
 15 Kent east. Mrs. Jones sp.
 17 Surrey !
 18 Essex south. Varenne ms.
 19 north. Varenne ms.
 21 Middlesex ! Hind cat.
 22 Berks !
 28 Norf. west. Notcutt cat.
 29 Cambridge. Babington cat.
 35 Monmouth. F. Hort ms.
 36 Hereford. Purchas ms.
 38 Warwick. Kirk cat.
 40 Salop. Leighton cat.
 45 Pembroke.
 55 Leicester.
 58 Chester.
 61 York s. east.
 62 n. east.
 64 m. west.
 72 Dumfries.
 80 Roxburgh. "introduced."
 81 Berwick.
 83 Edinburgh.
 04 Eb. north ?
 12 Shetland. Error ?
 N.B. I do not see how this
 differs essentially from *has-*
tata.

923 *Atriplex**angustifolia*.

"patula," L.

Counties all, but with many
 exceptions at present; pro-
 bably through the species
 being imperfectly known.
 The counties for which I
 lack authorities, in addition
 to the usual nine others,

are 4 35 36 37 44 46 49
 61 71 72 73 75 80 84 86
 87 88 92 to 98 106 to 109.

923 *Atriplex**erecta*.

- 2 Corn. east. Pascoe cat.
 3 Devon south.
 5 Som. south. Coleman cat.
 6 north.
 7 Wilts north.
 9 Dorset. Mansel-Pleydell sp.
 10 Wight. More sp.
 12 Hants north !
 17 Surrey !
 18 Essex south.
 19 north. Varenne cat.
 20 Herts.
 21 Middlesex. Dyer sp.
 22 Berks !
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 36 Hereford. Purchas cat.
 38 Warwick. Kirk cat.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 53 Linc. south. Bloxam ms.
 54 north !
 55 Leicester. Bloxam sp.
 61 York s. east. Moore ms. flo.
 62 n. east. Baker cat.
 68 Cheviotland.
 72 Dumfries.
 74 Wigton. Balfour sp.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour sp.
 85 Fife. Syme cat.
 90 Forfar. Croall sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 04 north.

10 Hebrides. "N. Uist."

N.B. This common species has been much misunderstood, and confusion has arisen from a supposition that the name was applicable exclusively to an extremely luxuriant state, and not to the normal plant as seen in corn-fields. In general appearance the normal state stands between *angustifolia* and *hastata*, weakly examples difficult to distinguish from the former.

924 Atriplex

littoralis.

- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 13 Sussex west! Syme sp.
- 15 Kent east! Jacob sp.
- 16 west. Syme sp.
- 18 Essex south. Varenne ms.
- 19 north. Syme sp.
- 25 Suffolk east. Purchas ms.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 50 Denbigh. Bowman cat.
- 51 Flint. Bowman ms.
- 52 Anglesea. Robinson cat.
- 54 Linc. north! Howitt sp.
- 58 Chester. Warren cat.
- 59 Lanc. south.
- 61 York s. east.
- 62 n. east. Baker cat.
- 66 Durham. Bowman sp.
- 67 Northumberland.
- 68 Cheviot. Embleton cat.
- 69 Westmoreland. Oliver sp.
- 81 Berwick.
- 82 Haddington. Twynam sp.

83 Edinburgh?

84 Linlithgow!

85 Fife. Balfour sp.

87 Perth west. Syme ms.

[1 (92) 106 108; require confirmation. To 92 the plant is stated to have been introduced, and subsequently to have become extinct there].

924 Atriplex

marina.

- 10 Wight. More cat.
- 11 Hants south! Notcutt sp.
- 15 Kent east! Hind sp.
- 16 west! Syme sp.
- 17 Surrey. Syme sp.
- 18 Essex south. Varenne ms.
- 19 north. T. B. Hall sp.
- 21 Middx. Extinct or error.
- 54 Linc. north!
- 62 York n. east. Baker sp.
- 66 Durham.
- 67 Northumb. Storey sp.

925 Beta

maritima.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north. Thwaites cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south. Notcutt cat.
- 13 Sussex west! Fordham sp.
- 14 east. Ranking sp.
- 15 Kent east! Twining sp.
- 18 Essex south.
- 19 north. Varenne ms.
- 25 Suffolk east. Purchas ms.
- 27 Norfolk east. Paget sp.
- 28 west. Bell sp.
- 29 Cambridge?

- 35 Monmouth. Conway cat.
 - 41 Glamorgan. Dyke sp.
 - 44 Carmarthen. Motley ms.
 - 45 Pembroke. Babington cat.
 - 46 Cardigan. Gibson ms.
 - 49 Carnarvon. Bowman ms.
 - 52 Anglesea. Butler sp.
 - 62 York n. east. Baker cat.
 - 66 Durham. Storey sp.†
 - 67 Northumb. Storey cat.*
 - 71 Man. Jowett to Howitt sp.
 - 82 Haddington. Balfour sp.†
 - 83 Edinburgh. Macnab sp.
 - 84 Linlithgow.
 - 85 Fife.
 - 02 Eb. south. Balfour cat.
 - 11 Orkney ? Neill Tour.
 - 12 Shetland ? Neill Tour.
- [56 Notts].

926 Salsola

Kali.

- 1 Corn. west ! Cunnaack cat.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north ! Maw cat.
- 6 Som. north. Thwaites sp.
- 9 Dorset. Twining sp.
- 10 Wight ! More cat.
- 11 Hants south.
- 14 Sussex east. Hall cat.
- 15 Kent east ! Smith cat.
- 18 Essex south.
- 19 north. Skepper ms.
- 25 Suffolk east. Paget sp.
- 27 Norfolk east.
- 28 west.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 46 Cardigan. Atwood ms.
- 48 Merioneth. Gibson ms.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh. Bowman ms.
- 51 Flint. Bidwell sp.
- 52 Anglesea ! Robinson cat.

- 54 Linc. north. Howitt sp.
- 58 Chester ! Warren cat.
- 59 Lanc. south ! Webb cat.
- 62 York n. east. Baker cat.
- 66 Durham.
- 67 Northumb. Storey sp.†
- 68 Cheviot. Embleton cat.
- 70 Cumberland.
- 71 Man. Forbes cat.
- 72 Dumf. Miss Twining sp.
- 75 Ayr. Balfour sp.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh. Balfour cat.
- 84 Linlithgow. Balfour cat.
- 85 Fife. Lawson cat.
- 90 Forfar. Croall sp.
- 91 Kincardine. Dickson ms.
- 92 Aber. south. Dickie cat.
- 93 north. Dickie flo.
- 94 Banff.
- 95 Elgin. Gordon cat.
- 96 Easterness. Stables cat.
- 98 Argyle. Hooker sp.
- 00 Clyde-isles. Hennedy cat.
- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour cat.
- 09 Caithness. "Mr. Peach."

927 Suæda

maritima.

- 1 Corn. west.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north ! Maw cat.
- 5 Som. south.
- 6 north. Butler sp.
- 9 Dorset. Pleydell cat.
- 10 Wight ! Miss Twining sp.
- 11 Hants south ! Notcutt cat.
- 13 Sussex west ! Warren ms.
- 15 Kent east ! Smith cat.
- 16 west !
- 18 Essex south. Varenne ms.
- 19 north. Varenne ms.
- 25 Suffolk east. Purchas ms.

- 27 Norfolk east.
 28 west. Miss Bell sp.
 29 Cambridge. Babington cat.
 34 Gloster west! Thwaites cat.
 41 Glamorgan. Dyke sp.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 48 Merioneth.
 49 Carnarvon. Robinson cat.
 51 Flint! Robinson cat.
 52 Anglesea. Robinson cat.
 53 Lincoln south!
 54 north! Howitt sp.
 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.
 60 west!
 62 York n. east. Baker ms.
 66 Durham. Bowman sp.
 67 Northumb. Storey sp.
 68 Cheviotland. Tate cat.
 70 Cumberland.
 71 Man. J. Macnab cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 82 Haddington. Balfour cat.
 83 Edinburgh. Balfour cat.
 84 Linlithgow! Macnab sp.
 85 Fife.
 87 Perth west. Syme ms.
 90 Forfar.
 91 Kincardine. Syme cat.
 92 Aber. south. Dickie cat.
 93 north. Dickie sp.
 95 Elgin. Gordon sp.
 97 Westernness!
 98 Argyle.
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 04 Eb. north. Lawson cat.
 05 Ross west.
 11 Orkney. Syme cat.
 12 Shetland. Tate sp.
 [In the Floras of Berwick,
 but the localities are on the
 English side only].

928 Suæda**fruticosa.**

- 9 Dorset. Bromfield sp.
 18 Essex south. Varenne ms.
 19 north. Varenne ms.
 25 Suffolk east.
 27 Norfolk east. Babington sp.
 28 west. Miss Bell sp.
 41 Glamorgan?
 [1 3 6 70]. (62 67).

929 Salicornia**herbacea.**

- Counties all the maritime ones,
 except 21 35 53 61 69 71
 73 74 77 81 88 89 94 97
 103 105 107 108 109;
 doubtless it does occur in
 most of these counties.

930 Salicornia**radicans.**

- 9 Dorset. Twining sp.
 10 Wight. Syme sp.
 11 Hants south. Notcutt cat.
 13 Sussex west. Brewer sp.
 15 Kent east. Syme sp.
 18 Essex south. Syme sp.
 19 north. Syme sp.
 25 Suffolk east.
 27 Norfolk east.
 28 west. Miss Bell sp.
 62 York n. east. Baker sp.
 [6 41 90].

931 Polygonum**Bistorta.**

- 5 Som. south. Coleman cat.
 6 north. Gutch sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 11 Hants south. Notcutt cat.
 12 north.
 13 Sussex west. Borrer cat.†
 15 Kent east. Smith cat.

17 Surrey. French, Dyke sps.
 18 Essex south.
 19 north. Varenne ms.
 20 Herts. Isaac Brown sp.
 21 Middlesex.
 22 Berks.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge?
 30 Bedford.
 32 Northton. Noteutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Purchas cat.
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford. Fraser cat.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 46 Pembroke. Atwood ms.
 47 Montgomery.
 48 Merioneth.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 54 Linc. north. Thompson ms.
 55 Leicester. Bloxam sp.
 56 Notts.
 57 Derby. Howitt sp.
 58 Chester! Warren cat.
 59 Lanc. south!
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Leyland sp.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Storey sp.
 67 Northumberland.
 68 Cheviotland. Embleton cat.

69 Westmoreland!
 70 Cumberland!
 72 Dumfries. Gray cat.
 73 Kirkeudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Henney cat.
 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 83 Edinburgh! Balfour cat.†
 (1 2 3 4 10 85 90 to 96 98
 100 102 104 106 109 111;
 probably introduced to all
 these counties, although re-
 ported as if a native in some
 of them).

932 Polygonum viviparum.

49 Carnarvon.
 64 York m. west. Tatham sp.
 65 n. west. Pinder sp.
 66 Durham. Bowman sp.
 67 Northumberland.
 69 Westmoreland.
 70 Cumberland.
 75 Ayr. Duncan cat.
 85 Fife! Dewar sp.
 86 Stirling.
 87 Perth west. Syme sp.
 88 mid! Worsley cat.
 89 east!
 90 Forfar! Croall sp.
 91 Kincardine. Dickie sp.
 92 Aber. south! Dickie cat.
 93 North. Dickie flo.
 94 Banff. "frequent."
 95 Elgin. Gordon cat.
 96 Easternness! Stables cat.
 97 Westernness!
 98 Argyle. Church. Bab. ms.
 99 Dunbarton.
 04 Eb. north. Lawson cat.
 06 Ross east. Gordon ms.
 08 Suth. west! Johnston ms.
 11 Orkney. Syme ms.
 12 Shetland. Tate sp.

[37 53 54 62; erroneous, and perhaps also some of the counties not verified recently on safe authority].

**933 Polygonum
amphibium.**

Counties all, except 46 72 84
86 104 108, with the other
nine.

**934 Polygonum
lapathifolium.**

Counties all, except 5 46 60
72 84 86 89 93 94 96 97
99 104 107 108 (109) 110
111 112.

934 Polygonum
"laxum" and
"nodosum."

N.B. The distribution of these
segregates cannot be given
apart from that of *lapathi-
folium*. I do not myself
clearly understand them,
either as distinct from that
species or from each other.

**935 Polygonum
Persicaria.**

Counties all, except 46 86 89
98 107 108; doubtless it
occurs in every county.

**936 Polygonum
mite.**

Cornwall?

3 Devon south. Tate ms.
9 Dorset. Pleydell sp.
10 Wight. Supp. flo. vect.
17 Surrey! Syme sp.
18 Essex south. Gibson flo.
21 Middlesex. Dyer 1867.
28 Norfolk west. Notcutt cat.
29 Cambridge. Babington cat.

31 Hunts! Newbould cat.

32 Northton!

58 Chester. Ex. club 1859.

62 York n. east. Bot. n. y.

64 m. west. Lees cat.

[10 11 12 22 37 41 47 70;
insufficiently vouched, but
otherwise not unlikely ex-
cept the last; an ill-under-
stood species, quite distinct
from *minus*, with which it
has been confused, but very
near to *Persicaria*].

**937 Polygonum
Hydropiper.**

Counties all, except 31 46 53
54 86 89 93 98 106 to 110
[111 112].

**938 Polygonum
minus.**

Cornwall?

Somerset. Southby cat.

10 Wight. Bromfield sp.

11 Hants south!

12 north!

13 Sussex west. Borrer cat.

14 east.

15 Kent east?

16 west.

17 Surrey! Baker sp.

18 Essex south.

19 north. Varenne sp.

20 Herts.

21 Middlesex. Pamplin ms.

22 Berks. Britten "v. sp."

23 Oxford.

25 Suffolk east. Skepper ms.

26 west?

27 Norfolk east.

28 west. Notcutt cat.

29 Cambridge? "Ray."

30 Bedford.

32 Northton!

37 Worcester? "Dr. Stokes."

- 39 Stafford.
 41 Glamorgan ?
 46 Cardigan.
 52 Anglesea.
 55 Leicester. "Pulteney."
 56 Notts.
 58 Chester. Bowman sp.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east.
 64 m. west.
 65 n. west. Ward sp.
 66 Durham. Norman cat.
 70 Cumberland. Baker cat.
 72 Dumfries. Balfour sp.
 73 Kirkcudbright. Gray cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. "Dr. Ross."
 N.B. Several of the counties
 here enumerated rest on un-
 safe testimony or on old and
 unconfirmed authority. [90
 Forfar; G. Don].

939 Polygonum aviculare.

Counties all, except 35 93 97,
 with the usual nine; no
 doubt it is to be found in
 every county. The various
 segregates are so imperfectly
 distinguished as yet, and
 their localities so seldom re-
 corded apart, that I do not
 here attempt to cite their
 counties.

940 Polygonum Raii.

- 1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south. Flower sp.
 4 north.
 Somerset. "Borrer."
 9 Dorset. Pleydell cat.
 10 Wight!

- 11 Hants south. Borrer ms.
 Sussex. Borrer ms.
 41 Glamorgan. Flower sp.
 45 Pembroke. Babington sp.
 46 Cardigan. Atwood sp.
 48 Merioneth.
 49 Carnarvon.
 52 Anglesea.
 58 Chester. Warren cat.
 59 Lanc. south. Lewis sp.
 62 York n. east.
 66 Durham.
 67 Northumberland.
 68 Cheviotland.
 70 Cumberl. Addison sp.
 71 Man. "Edward Forbes."
 74 Wigton. Balfour sp.
 75 Ayr. Stewart Murray sp.
 76 Renfrew. Gourlie sp.
 82 Haddington. Syme sp.
 83 Edinburgh.
 85 Fife. Boswell Syme sp.
 90 Forfar. Gardiner sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour sp.
 [112 "common"; Edm.
 flo.]

940 Polygonum maritimum.

- 11 Hants south. Borrer sp.
 [1 14 28 46 49 75 99; all
 errors probably through mis-
 taking the *Raii* for this
 present species; which is,
 indeed, scarcely a native,
 although it did exist some
 few years on the coast of
 Hants;—picked there by
 Mr. Borrer in 1847].

941 Polygonum Convolvulus.

Counties all, except 46 60 86
 97 98 104 107 (111) 112.
 Professor De Candolle re-

gards this as an Asiatic plant, introduced into Britain by human agency. If so, it is a remarkable instance of complete naturalisation through the greater part of the island, although in the more northerly counties of North Britain it might quite suitably be classed as a colonist only, or even as a casual in the North Isles.

942 *Polygonum dumetorum*.

- 3 Devon south. Tate ms.
- 6 Som. north. Babington sp.
- 9 Dorset. Mansel-Pleydell sp.
- 12 Hants north. Bromf. sp.
- 14 Sussex west. Borrer ms.
- 17 Surrey!
- 19 Essex north. Varenne cat.
- 20 Herts. Coleman sp.
- 35 Monmouth. Purchas sp.
- [68 Cheviotland, an error].

943 *Rumex Hydrolapathum*.

- 1 Corn. west. Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south.
- 6 Som. north.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north!
- 13 Sussex west! Borrer cat.
- 15 Kent east! Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex! Hind cat.

- 22 Berks. Britten cat.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west.
- 27 Norfolk east.
- 28 west. Miss Bell sp.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts! Newbould cat.
- 32 Northton!
- 33 Gloster east.
- 34 west. Thwaites cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley ms.
- 45 Pembroke. Babington cat.
- 48 Merioneth.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh. Bowman cat.
- 51 Flint. Robinson cat.
- 52 Anglesea. Robinson cat.
- 53 Linc. south!
- 54 north!
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby. Howitt cat.
- 58 Chester. Hunt sp.
- 59 Lanc. south. Webb cat.
- 61 York s. east.
- 62 n. east.
- 63 s. west. Lees cat.
- 64 m. west. Lees cat.
- 65 n. west.
- 66 Durham. Miss Hancock sp.
- 69 Westmore. Oliver sp.
- 75 Ayr. Walker-Arnott ms.
- 02 Eb. south. Balfour sp.
- (77). [90 93 99]. Perth;
but I do not know within
which of its vice-counties.

944 Rumex**crispus.**

Counties all, except 61 73 97
98 107.

944 Rumex**aquaticus.****domesticus.**

- 62 York n. east. Baker cat.
64 m. west. Tatham cat.
65 n. west. Ward cat.
66 Durham. Babington sp.
67 Northumberland.
68 Cheviotland.
69 Westmoreland!
70 Cumberland?
75 Ayr. "Mr. Goldie."
76 Renfrew.
77 Lanark. Balfour sp.
83 Edinburgh. Balfour cat.
84 Linlithgow. Balfour sp.
85 Fife. Dewar sp.
87 Perth west! Syme sp.
88 mid!
89 east!
90 Forfar!
91 Kincardine. Syme sp.
92 Aber. south! Dickie cat.
93 north. Dickie flo.
94 Banff.
95 Elgin. Gordon cat.
96 Easterness!
99 Dunbarton?
04 Eb. north.
10 Hebrides.
11 Orkney. Syme sp.
12 Shetland. Tate cat.
[2 3 27 31 33 37 40;
probably intending *Hydro-*
lapathum].

944 Rumex**conspersus.**

- 85 Kinross. Walker-Arnott sp.
85 Fife. J. B. Balfour ms.
87 Perth west. Syme sp.

N.B. Prof. Areschoug named the Scottish plant "consperus," on seeing the specimens in my herbarium; so that its identity with the Swedish plant so named may be fully acquiesced in.

945 Rumex**pratensis.**

- 1 Corn. west.
2 east. Pascoe cat.
8 Wilts south. Warren ms.
9 Dorset. Borrer ms.
10 Wight. Stratton sp.
13 Sussex west. Borrer cat.
16 Kent west. Syme sp.
17 Surrey! Syme sp.
18 Essex south.
19 north. Varenne sp.
20 Herts.
21 Middlesex. Dyer sp.
22 Berks.
25 Suffolk east.
29 Cambridge. Babington cat.
33 Gloster east.
34 west. Hort ms.
35 Monmouth. Hort sp.
36 Hereford. Purchas sp.
38 Warwick. Bromwich sp.
40 Salop. Leighton cat.
41 Glamorgan. Bab. ms.
45 Pembroke.
50 Denbigh.
52 Anglesea.
55 Leicester.
58 Chester. Newbould ms.
62 York n. east. Baker cat.
64 m. west.
65 n. west. Ward cat.
66 Durham.
67 Northumberland.
81 Berwick.
83 Edinburgh. Syme sp.
85 Fife. Boswell Syme sp.
92 Aber. south. Syme sp.

00 Clyde-isles. Syme sp.

N.B. To my eyes this appears to be a miscellaneous medley of specimens more or less intermediate between *crispus* and *obtusifolius*, and on that account not confidently assignable to either. In the citation of "sp." I do not guarantee the name in any other sense. Professor Areschoug considered Dr. Boswell Syme's examples from Fife to be rightly thus named.

647 Rumex
obtusifolius.

Counties all, except 35 37 71
72 73 97.

947 Rumex
sylvestris.

17 Surrey, 1872. Hon. J. B. L. Warren, sp., who states this to be the *R. obtusifolius* of Fries; not identical with the Dock so named in England as the species intended by Linneus. The present one may have been passed by as our *obtusifolius*, or even possibly as the next.

948 Rumex
nemorosus.
sanguineus, Sm.

Counties all, with many exceptions northwards; namely,
24 32 46 49 51 54 60 71
72 73 86 89 (90) 92 or 93
94 96 97 98 103 to 112.
Perhaps confused occasionally with the next, or neglected like other uninteresting "Docks."

948 Rumex
conglomeratus.
acutus, Sm.

Counties all, except 30 46 69
71 72 73 75 86 88 89 94
to 98 101 102 106 to 110
[111 112]. Add to these
the usual nine.

949 Rumex
pulcher.

1 Corn. west.
2 east. Briggs cat.
3 Devon south. Briggs cat.
5 Som. south. Coleman cat.
6 north. Poole ms.
7 Wilts north. Flower cat.
8 south. Flower cat.
9 Dorset. Pleydell cat.
10 Wight! More cat.
11 Hants south. Notcutt cat.
12 north.
13 Sussex west! Borrer ms.
14 east!
15 Kent east! Smith cat.
16 west!
17 Surrey!
18 Essex south.
19 north. Varenne cat.
20 Herts.
21 Middlesex!
22 Berks.
23 Oxford.
25 Suffolk east.
26 west.
27 Norfolk east. Woodward ms.
28 west. Miss Bell sp.
29 Cambridge. Babington cat.
30 Bedford.
31 Hunts. Newbould cat.
32 Northton. Notcutt cat.
33 Gloster east. Prentice cat.
34 west! Thwaites sp.
39 Stafford. Douglas cat.
44 Carmarthen. Motley cat.
45 Pembroke. Babington cat.

- 49 Carnarvon. Robinson cat.
 53 Linc. south !
 56 Notts. G. Howitt sp.
 70 Cumberland. Baker cat.
 (67 "ballast hills").
 [36 37 75 77; requiring con-
 firmation; but the first two are
 likely enough to be correct].

950 Rumex**maritimus.**

- 6 Som. north. Collins ms.
 9 Dorset. Pleydell cat.
 13 Sussex west. Borrer cat.
 14 east ?
 15 Kent east. Smith cat.
 17 Surrey. Syme sp.
 18 Essex south.
 21 Middlesex. Syme sp.
 25 Suffolk east.
 27 Norfolk east.
 28 west. Wardale sp.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould cat.
 32 Northton ?
 37 Worcester. Lees sp.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas sp.
 40 Salop. Leighton cat.
 53 Lincoln south !
 54 north !
 55 Leicester. Bloxam sp.
 56 Notts.
 57 Derby ?
 58 Chester. Warren ms.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east.
 64 m. west.
 65 n. west.

(66 67 68, on ballast, etc.)

[3 4 23 24 41 51 72 85
 92 94 111; insufficiently
 vouched, and the higher
 nos. probably erroneous].

950 Rumex**palustris.**

- 6 Som. north. Clark sp.
 9 Dorset. Bloxam ms.
 13 Sussex west. Borrer cat.
 14 east.
 16 Kent west! Syme sp.
 17 Surrey. Syme sp.
 18 Essex south.
 20 Herts.
 21 Middlesex. Wing sp.
 26 Suffolk west.
 27 Norfolk east. Syme sp.
 28 west.
 29 Cambridge. Babington cat.
 31 Hunts. Newbould ms.
 37 Worcester ?
 38 Warwick ?
 39 Stafford ?
 58 Chester ? Bowman ms.
 62 York n. east.
 64 m. west.
 65 n. west.

(66 67 on ballast hills).

[1 3 55 68 75 82 90; coun-
 ties requiring verification,
 and the same may be true
 for some of the others here
 cited interrogatively].

951 Rumex**Acetosa.**

Counties all, except only the
 usual nine blanks.

952 Rumex**Acetosella.**

Counties all, except only the
 usual nine blanks.

953 Oxyria**reniformis.**

- 48 Merioneth. Bowman ms.
 49 Carnarvon! Bowman ms.
 69 Westmoreland!
 70 Cumberland !

- 86 Stirling. Hooker sp.
- 88 Perth mid!
- 89 east!
- 90 Forfar! Brand sp.
- 71 Kincardine. Syme cat.†
- 92 Aber. south! Dickie sp.
- 93 north. Dickie flo.
- 94 Banff.
- 95 Elgin. Gordon cat.
- 96 Easternness!
- 97 Westernness!
- 98 Argyle!
- 00 Clyde-isles. Henvedy cat.
- 04 Eb. north. Lawson cat.
- 06 Ross east. Gordon ms.
- 10 Hebrides.
- 11 Orkney. Syme cat.
- [34 64 or 65].

954 Hippophae rhamnoides.

- 15 Kent east! Smith cat.
- 25 Suffolk east. Bloomfield ms.
- 27 Norfolk east. Paget sp.
- 28 west.
- 54 Linc. north. Bogg cat.
- 62 York n. east. Mudd sp.
- (3 18 68 82 83 84 85 101
102; probably planted in
all of these counties.

955 Daphne Laureola.

- 3 Devon south. Briggs cat.†
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north.
- 7 Wilts north. Flower cat.
- 8 south.
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south. Notcutt cat.
- 12 north.
- 13 Sussex west. Weaver sp.
- 15 Kent east. Smith cat.
- 17 Surrey! Brewer sp.

- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Blow ms.
- 22 Berks.
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east.
- 26 west. Wallis sp.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts. Newbould cat.
- 32 Northton. J. Hooker ms.
- 33 Gloster east. Prentice ms.
- 35 Monmouth. Conway cat.
- 36 Hereford. Shawe sp.
- 37 Worcester. Bagnall ms.
- 38 Warwick. Kirk cat.
- 39 Stafford. Howitt ms.
- 40 Salop. Leighton cat.
- 49 Carnarvon. Robinson cat.
- 52 Anglesea? One locality.
- 54 Linc. north. Bogg cat.
- 55 Leicester. Howitt sp.
- 56 Notts.
- 57 Derby. Church. Bab ms.
- 58 Chester? "J. B. Wood."
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west.
- 64 m. west. Tatham cat.
- 65 n. west. Ward sp.
- 65 Durham. Bowman sp.
- (1 2 21 50 59 68 69 75
77 81 83 85 91; recorded
as uncertainly indigenous
or certainly introduced in
these counties).

956 Daphne Mezereum.

- 13 Sussex west. Borrer ms.
- 24 Bucks. Britten sp.
- 64 York m. west. Tatham cat.
- 65 n. west. Leefe sp.

66 Durham. Norman sp.
 (3 6 7 8 9 10 11 12 17
 19 20 22 26 27 28 33 or
 34 36 37 38 39 40 57 63
 69 75 83; probably an alien
 in all of these counties; and
 not clearly indigenous in
 those named). Mr. Borrer
 held it "native" in Sussex;
 and Dr. Bromfield declares
 it to be so in Hampshire.
 Mr. Baker gives it the grade
 of "denizen" in Yorkshire
 and Durham. It is sown by
 robins, which feed on its
 berries in the gardens.

957 Thesium
humifusum.

Cornwall ... ? Butler sp.
 3 Devon south.
 6 Som. north.
 7 Wilts north. Flower cat.
 8 south. Southby sp.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.
 11 Hants south. Noteutt sp.
 12 north. Macreight sp.
 13 Sussex west.
 14 east. Warren ms.
 17 Surrey! Salmon sp.
 19 Essex north.
 20 Herts. Fordham sp.
 22 Berks.
 23 Oxford.
 24 Bucks.
 26 Suffolk west.
 28 Norfolk west. Miss Bell sp.
 29 Cambridge. Babington cat.
 30 Bedford. Miss Twining sp.
 33 Gloster east. Buckman sp.

958 Asarum
europæum.

8 Wilts south. Flower sp.
 24 Bucks. Britten "v. spec."

59 Lanc. south. Dugdale sp.
 63 York s. west. Leyland sp.
 64 m. west. Tatham sp.
 (3 20 22 23 36 55 68 69
 70 75 83 84 85; not indi-
 genous in these reported
 counties; and perhaps not
 so in any of the other five
 specially named).

960 Empetrum
nigrum.

3 Dev. south. "found in 1866."
 5 Som. south. Withers sp.
 13 Sussex west. Extinct.
 35 Monmouth. Conway cat.
 36 Hereford.
 38 Warwick. Bagnall ms.
 39 Stafford! Howitt sp.
 40 Salop. Leighton cat.
 41 Glamorgan.
 42 Brecon. Lees sp.
 44 Carmarthen.
 48 Merioneth.
 49 Carnarvon! Robinson cat.
 50 Denbigh! Bowman cat.
 51 Flint.
 55 Leicester.
 56 Notts.
 57 Derby! Howitt cat.
 58 Chester. Warren cat.
 59 Lanc. south.
 62 York n. east.
 63 s. west. Barham sp.
 64 m. west. Tatham sp.
 65 n. west. Baker sp.
 66 Durham.
 67 Northumb. Storey sp.
 68 Cheviotland. Tate cat.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 71 Man. Forbes cat.
 72 Dumfries. Gray cat. co.
 73 Kirkeudbright. Gray cat. co.
 75 Ayr.
 76 Renfrew. Henneidy cat.

- 77 Lanark. Hooker sp.
 80 Roxburgh. Duncan cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Balfour cat.
 85 to 112. All North Britain,
 and so plentifully that it
 appears quite unnecessary
 to cite the names of coun-
 ties, with their personal
 authorities in detail. [21].

961 Euphorbia
Peplis.

- 1 Corn. west! Seen in 1831.
 2 east.
 3 Devon south.
 4 north.
 6 Som. north. Collins ms.
 9 Dorset?
 10 Wight.
 41 Glamorgan.
 46 Cardigan.

- 962 Euphorbia**
Helioscopea.
 Counties all, except 46 60 86
 89 97 98 107.

- 963 Euphorbia**
platyphylla.
 2 Corn. east.
 6 Som. north. Withers sp.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More sp.
 11 Hants south.
 12 north.
 13 Sussex west. Borrer cat.
 14 east. Bromf. sp.
 15 Kent east. Smith cat.
 16 west.
 17 Surrey! Ellis sp.
 18 Essex south. Syme sp.
 19 north. Varenne sp.

- 20 Herts. Isaac Brown sp.
 21 Middlesex. Hind cat.†
 22 Berks.
 24 Bucks.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts. Newbould ms.
 32 Northton! Berkeley ms.
 33 Gloster east. Buckman sp.
 34 west!
 37 Worcester?
 (25 or 26 62 63 64 67 68).

963 Euphorbia
stricta.

- 34 Gloster west. "Hort."
 35 Monmouth. Watkins sp.
 [6 12; misnomers, perhaps
 through confusion with *E.*
stricta of Smith, which was
 a small state of *platyphylla*].

964 Euphorbia
hiberna.

- 4 Devon north! Russell sp.
 [15 21 59]. (62).

- 965 Euphorbia**
pilosa.
 6 Som. north. Flower sp.
 14 Sussex east. "wild."

- 969 Euphorbia
Paralias.

- 1 Corn. west! Cunnack cat.
 2 east. Briggs cat.
 3 Devon south.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north. Collins ms.
 9 Dorset. Twining sp.
 11 Hants south. Bromf. ms.
 13 Sussex west. Smith ms.
 15 Kent east. Smith cat.
 18 Essex south. Syme sp.
 19 north. Varenne ms.

- 25 Suffolk east. Notcutt sp.
- 41 Glamorgan.
- 45 Pembroke. Russell sp.
- 46 Cardigan. Purchas ms.
- 48 Merioneth. Bowman ms.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh. Bidwell sp.
- 51 Flint. Robinson cat.
- 52 Anglesea?
- 58 Chester. Warren ms.
- 59 Lanc. south! Scholes sp.
- 69 Westmoreland.
- 70 Cumb. Miss Beeyor sp.
- 71 Man. Forbes cat.
(85 Balfour ms.*).

970 *Euphorbia portlandica*.

- 1 Corn. west! Cunnack cat.
- 2 east. Goulding sp.
- 3 Devon south. Trevelyan sp.
- 4 north! Maw cat.
- 9 Dorset. Trevelyan sp.
- 10 Wight. More cat.
- 11 Hants south. Bromf. sp.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 49 Carnarvon?
- 52 Anglesea. Harris sp.
- 58 Chester. Warren cat.
- 59 Lanc. south! Scholes sp.
- 70 Cumberland.
- 71 Man. Jowett to Howitt sp.
- 74 Wigton. G. Macnab sp.
[13 15]. (84 85).

971 *Euphorbia exigua*.

- 1 Corn. west! Cunnack cat.
- 2 east. Briggs cat.
- 3 Devon south! Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.

- 8 Wilts south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.
- 14 east! Coleman cat.
- 15 Kent east. Smith cat.
- 16 west!
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex! Hind cat.
- 22 Berks!
- 23 Oxford. Beesley cat.
- 24 Bucks. Britten cat.
- 25 Suffolk east. Paget sp.
- 26 west.
- 27 Norfolk east.
- 28 west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 31 Hunts! Newbould cat.
- 32 Northton! Notcutt cat.
- 33 Gloster east.
- 34 west. Thwaites cat.
- 35 Monmouth. Conway cat.
- 36 Hereford. Purchas cat.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 41 Glamorgan.
- 44 Carmarthen. Motley cat.
- 45 Pembroke. Babington cat.
- 49 Carnarvon. Robinson cat.
- 50 Denbigh. Bowman cat.
- 51 Flint. Robinson cat.
- 52 Anglesea. Robinson cat.
- 53 Linc. south!
- 54 north! Bogg cat.
- 55 Leicester. Bloxam cat.
- 56 Notts.
- 57 Derby. Howitt cat.
- 58 Chester! Warren cat.

- 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east. Baker cat.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Bowman sp.
 66 Durham. Bowman sp.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 70 Cumberland.
 71 Man.
 72 Dumfries?
 75 Ayr. Duncan cat.
 77 Lanark. Henedy cat.
 80 Roxburgh.
 81 Berwick.
 83 Edinburgh. Brand sp.
 85 Fife. Boswell-Syme sp.
 87 Perth west. Syme ms.
 89 east. "Gorrie."
 90 Forfar. "frequent."
 94 Banff. "Mr. Bisset."
 00 Clyde-isles.

A common plant in England, but scarce in Scotland.

972 Euphorbia Peplus.

Counties all, with many seeming exceptions northward; namely, 72 73 86 88 89 91 97 98 101 102 106 107 108 110 111 112.

974 Euphorbia amygdaloides.

- 1 Corn. west. Cunnack cat.
 2 east. Briggs cat.
 3 Devon south! Briggs cat.
 4 north! Maw cat.
 5 Som. south. Coleman cat.
 6 north! Thwaites cat.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight! More cat.

- 11 Hants south! Notcutt cat.
 12 north.
 13 Sussex west! Weaver sp.
 14 east. Coleman cat.
 15 Kent east. Smith cat.
 16 west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks. Miss Bell ms.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west. Miss Bell sp.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 30 Bedford.
 32 Northton.
 33 Gloster east. Prentice cat.
 34 west! Thwaites cat.
 35 Monmouth. Conway cat.
 36 Hereford. Shawe sp.
 37 Worcester. Bagnall ms.
 38 Warwick. Bloxam ms.
 39 Stafford. Ch. Bab. ms.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 47 Montgomery. Ball sp.
 49 Carnarvon. Robinson cat.
 55 Leicester.
 56 Notts. "Deering."
 57 Derby. Rev. A. Bloxam ms.
 64 York m. west. Moore ms.
 66 Durham. "ballast hills."
 68 Cheviotland. Bigge sp.

976 Mercurialis perennis.

Counties all, except 31 46 53
 60 71 97 107 109 110 112.
 111 Orkney; Miss Boswell.

977 Mercurialis annua.

- 1 Corn. west.
 - 3 Devon south. Briggs cat.†
 - 4 north. Maw cat.
 - 6 Som. north! Henslow sp.
 - 7 Wilts north. Flower cat.
 - 8 south. Flower cat.
 - 9 Dorset. Pleydell cat.†
 - 10 Wight. More sp.†
 - 11 Hants south! Notcutt cat.
 - 12 north.
 - 13 Sussex west. Warren ms.
 - 14 east! Fordham sp.
 - 15 Kent east! Smith cat.
 - 16 west! Syme sp.
 - 17 Surrey!
 - 18 Essex south. Varenne ms.
 - 19 north. Varenne cat.
 - 21 Middlesex. Harris sp.
 - 23 Oxford.
 - 25 Suffolk east. Varenne sp.
 - 27 Norfolk east. Paget sp.
 - 28 west.
 - 29 Cambridge. Babington cat.
 - 34 Gloster west! Thwaites cat.
 - 35 Monmouth. Conway cat.
 - 36 Hereford. Purchas cat.†
 - 40 Salop. Leighton cat.
 - 41 Glamorgan.
 - 44 Carmarthen. Motley cat.
 - 45 Pembroke. Babington cat.
 - 48 Merioneth.
 - 49 Carnarvon. Robinson cat.
 - 51 Flint. Robinson cat.
 - 52 Anglesea! Robinson cat.
 - 56 Notts.
 - 59 Lanc. south. Dugdale sp.
 - 62 York n. east. Baker ms.†
 - 66 Durham. "colonist."
 - 67 Northumb. Storey sp.†
- (70 75 83 85 87; a casual introduction in these counties, as well as in some of the English counties enumerated; while in some others

of the latter it is an abundant and troublesome weed.

978 Urtica urens.

Counties all, except 35 73 97
98 104 108.

979 Urtica dioica.

Counties all, except 97 107
and the usual nine others;
no doubt it occurs in all of
them.

980 Parietaria officinalis.

Counties all, with many exceptions northwards, namely,
71 72 73 80 84 86 88 89
(91 to 96) 97 98 99 (100)
101 to 105 (106) 107 to 112.

983 Humulus Lupulus.

- 1 Corn. west!† Cunnack.*
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north! Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 10 Wight! More cat.
- 11 Hants south! Notcutt cat.
- 12 north.
- 13 Sussex west. Borrer cat.†
- 14 east. Coleman cat.
- 15 Kent east! Smith cat.
- 16 west.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.
- 20 Herts. Coleman cat.
- 21 Middlesex! Hind cat.

22 Berks! Britten cat.
 23 Oxford. Beesley cat.
 24 Bucks. Britten cat.
 25 Suffolk east. Purchas cat.
 26 west.
 27 Norfolk east.
 28 west. Notcutt cat.
 29 Cambridge. Babington cat.
 30 Bedford.
 31 Hunts! Newbould cat.
 32 Northton!† Notcutt cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites sp.
 36 Hereford. Purchas cat.
 37 Worcester. Bagnall ms.
 38 Warwick. Kirk cat.
 39 Stafford! Fraser cat.†
 40 Salop. Leighton cat.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 46 Cardigan. Miss Atwood sp.
 49 Carnarvon. Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint!† Robinson cat.
 52 Anglesea. Robinson cat.
 53 Linc. south!†
 54 north. Bogg cat.
 55 Leicester. Bloxam cat.
 56 Notts.
 57 Derby. Howitt cat.
 58 Chester!† Warren cat.
 59 Lanc. south. Webb cat.†
 61 York s. east.
 62 n. east. Baker cat.†
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. "not native."
 67 Northumb. Storey cat.*
 68 Cheviot. Embleton cat.*
 69 Westmoreland!†
 70 Cumberland!† Baker.*
 71 Man. Forbes cat.† "rare."
 72 Dumfries. Gray cat.*
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.†

76 Renfrew. Hennedy cat.†
 77 Lanark. Hennedy cat.*
 80 Roxburgh. Duncan cat.
 81 Berwick. Border flo.*
 83 Edinburgh!† Balf. cat.*
 85 Fife. Lawson cat.† Balf.*
 92 Aber south!*
 95 Elgin. Coll. Mor.*

N.B. The Hop is generally reported as a truly indigenous plant in South England; but becoming much doubted, or quite discarded as such, in the northern counties.

984 *Ulmus*

montana.

Counties all, except 11 14 15
 31 32 41 45 46 49 51 53
 54 71 73 80 84 93 94 97
 107 109 111 112. And in several of the other counties it is reported as being uncertainly native or certainly alien.

985 *Ulmus*

suberosa.

N.B. It is found utterly impossible to say in which of the counties this much planted tree is indigenous, and in which of them it is simply an introduction. The name *campestris*, so frequent in books, has sometimes intended *montana*, but perhaps more frequently this other species. *U. "suberosa"* is reported in counties 1 to 6 9 to 13 17 to 22 24 29 31 34 36 to 40 44 45 49 to 52 54 55 56 58 59 61 to 68 70 72 76 77 81 83 87 91. *U. "campestris"* is reported in counties 2 to 9 11 12

14 15 17 to 20 22 23 25
to 30 32 33 34 36 to 40
44 50 52 55 to 59 61 to
65 68. [77 80 81 83 90].

988 Quercus Robur.

Counties all, except 46 60 71
75 86 107 109 to 112, with
the usual nine others. This
includes the two segregates
taken together under the
one name made more or
less common to both. They
are again enumerated in
detail below, as I find them
severally reported. But the
record is misleading numeri-
cally, because "peduncu-
lata" is less frequently dis-
tinguished by name, as a
segregate from *Robur*, than
is the "sessiliflora"; this
latter being really less fre-
quent than the former.

988 Quercus pedunculata.

- 1 Corn. west.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north!
- 6 Som. north!
- 9 Dorset. Pleydell cat.
- 10 Wight. More cat.
- 11 Hants south!
- 12 north!
- 13 Sussex west. Borrer cat.
- 17 Surrey!
- 18 Essex south.
- 19 north. Varenne cat.†
- 20 Herts.
- 21 Middlesex.
- 22 Berks!
- 24 Bucks. Britten cat.
- 25 Suffolk east. Purchas ms.

- 29 Cambridge. Babington cat.
- 30 Bedford.
- 34 Gloster west. Thwaites sp.
- 36 Hereford.
- 37 Worcester.
- 38 Warwick. Kirk cat.
- 39 Stafford. Douglas cat.
- 40 Salop. Leighton cat.
- 45 Pembroke. Babington cat.
- 58 Chester! Warren cat.
- 59 Lanc. south!
- 61 York s. east.
- 62 n. east. Baker cat.
- 63 s. west.
- 64 m. west.
- 65 n. west.
- 66 Durham. Storey sp.
- 67 Northumberland.
- 68 Cheviotland.
- 70 Cumberland. Baker cat.
- 76 Renfrew. Henedy cat.
- 77 Lanark. Hooker sp.
- 82 Haddington. Balfour cat.
- 83 Edinburgh!† Balfour cat.
- 84 Linlithgow. Balfour cat.
- 85 Fife. Syme cat.†
- 87 Perth west!
- 88 mid!
- 89 east!†
- 98 Argyle. Clyde flo.
- 99 Dunbarton. Clyde flo.

988 Quercus sessiliflora.

- 1 Corn. west.
- 2 east. Briggs cat.
- 3 Devon south. Briggs cat.
- 4 north. Maw cat.
- 5 Som. south. Coleman cat.
- 6 north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 10 Wight. More cat.
- 11 Hants south.
- 13 Sussex west. Borrer cat.
- 14 east.
- 17 Surrey!†

- 18 Essex south.
 19 north. Varenne cat.†
 20 Herts.
 21 Middlesex ?
 22 Berks.
 23 Oxford. Beesley cat.†
 25 Suffolk east. Stock cat.
 27 Norfolk east.
 28 west.
 34 Gloster west. Thwaites sp.
 36 Hereford.
 37 Worcester.
 38 Warwick. Kirk cat.
 39 Stafford. Douglas cat.†
 40 Salop.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Babington cat.
 47 Montgomery.
 48 Merioneth.
 49 Carnarvon.
 50 Denbigh. Bowman cat.
 52 Anglesea.
 55 Leicester.
 56 Notts.
 58 Chester. Warren cat.
 59 Lanc. south.
 62 York n. east. Baker cat.
 64 m. west. Tatham cat.
 65 n. west. Ward cat.
 66 Durham. Storey sp.
 67 Northumberland.
 68 Cheviotland.
 69 Westmoreland !
 70 Cumberland. Baker cat.
 76 Renfrew. Henedy cat.†
 77 Lanark. Henedy cat.†
 81 Berwick,
 83 Edinburgh.
 85 Fife. Syme cat.†
 87 Perth west ?
 88 mid.
 99 Dunbarton.
 08 Suth. west. Johnston ms.
 N.B. For neither segregate is
 it possible clearly to dis-

tinguish the counties in which it is indigenous, from those in which it exists only as a planted tree or as the offspring from planted trees. True *sessiliflora* is better distinguished by its leaves, than by its sessile fruit; the acorns of *pedunculata* being not seldom subsessile; through which occasional misnomers occur.

989 *Fagus**sylvatica.*

- 1 Corn. west. Cunnack cat.*
 2 east. Briggs cat.
 3 Devon south. Briggs cat.†
 4 north. Maw cat.
 5 Som. south. Coleman cat.
 6 north. Thwaites cat.*
 7 Wilts north. Flower cat.†
 8 south. Flower cat.†
 9 Dorset. Pleydell cat.
 10 Wight. More cat. Bromf.†
 11 Hants south ! Bromfield.
 12 north. Baker cat.
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east. Floral Guide.
 16 west. Tonbridge flo.
 17 Surrey ! Brewer in flo.
 18 Essex south. Gibson flo.†
 19 north. Varenne cat.†
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.
 22 Berks. Britten cat.
 23 Oxford. Sibthorpe flo.
 24 Bucks. Britten cat.
 25 Suffolk east. Skepper flo.
 26 west. Skepper flo.
 27 Norfolk east. Trimmer flo.
 28 west. Trimmer flo.
 29 Cambridge. Babington cat.†
 30 Bedford. Abbot flo.
 32 Northton. Notcutt cat.

- 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.*
 35 Monmouth. Conway cat.
 36 Hereford. Purchas flo.
 37 Worcester. Bagnall ms.†
 38 Warwick. Kirk cat.†
 39 Stafford. Bagnall ms.†
 40 Salop. Leighton flo.†
 45 Pembroke. Babington cat.
 49 Carnarvon. Robinson cat.†
 50 Denbigh. Bowman cat.†
 51 Flint. Robinson cat.
 52 Anglesea. Davies flo.
 54 Linc. north. Bogg cat.*
 55 Leicester. Bloxam cat.†
 56 Notts. Howitt flo.
 57 Derby. Howitt cat.
 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east. "recorded."
 62 n. east. Baker bot.†
 63 s. west. Lees cat.
 64 m. west. Baker bot.†
 65 n. west. Baker bot.†
 66 Durham. "not indigenous."
 67 Northumb. New flo.*
 68 Cheviotland. New flo.*

(Scotland 72 73 75 76 77
 80 to 85 87 90 91 92 94
 95 96 98 100 101 102
 104 106; planted, not indigenous).

N.B. The alternative signs (* †) are resorted to in this case of the Beech, because the reported English counties are enumerated in detail; to assist in showing where the Beech is apparently non-indigenous. Those counties in which it yet occurs truly spontaneous can scarcely be eliminated from the rest.

990 Carpinus Betulus.

- 6 Som. north!†
 7 Wilts north. Preston ms.†
 8 south. Flower cat.
 9 Dorset. Pleydell cat.†
 11 Hants south. Bromf.†
 12 north.
 13 Sussex west. Borrer cat.
 14 east. Ranking sp.
 16 Kent west!
 17 Surrey!
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.
 21 Middlesex. Hind cat.†
 22 Berks.
 23 Oxford. Beesley cat.†
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.
 27 Norfolk east.
 28 west.
 29 Cambridge. Babington cat.
 35 Monmouth. F. Hort.
 36 Hereford. Purchas.†
 37 Worcester. Bagnall ms.†
 38 Warwick. Kirk cat.†
 39 Stafford. Bagnall ms.†
 40 Salop?
 50 Denbigh. Bowman cat.†
 52 Anglesea. Davies flo.
 (2 3 55 56 58 59 62 to
 70 72 76 77 81 83 85 87
 90 91 92 95; recorded,
 but usually as an alien).

990 Corylus Avellana.

Counties all, except 46 86 98
 107 (110) 112, with the
 other nine. Shetland is
 apparently a real exception
 to comital generality. And
 in the Hebrides the Hazel
 has perhaps been introduced
 again, after having become
 extinct there.

992 Alnus**glutinosa.**

Counties all, except 71 (109 110) 111 112. To these should be temporarily added 46 and eight of the usual nine; in all of which it will doubtless be found.

993 Betula**alba.**

Counties all, except 15 31 45 46 (51) 71 86 93 98 110 112. (1 18 19 29; recorded as an introduced tree).

993 Betula**verrucosa.****pendula.**

2 Corn. east. Briggs sp.
3 Devon south. Briggs ms.
12 Hants north! Baker cat.
13 Sussex west. Baker cat.
17 Surrey!
21 Middlesex.
36 Hereford. Rev. A. Ley ms.
58 Chester. Warren ms.
70 Cumberland. Baker cat.
76 Renfrew. Hennedy cat.
77 Lanark. Hennedy cat.
85 Fife. Syme cat.†
N.B. Seldom recorded unless under the aggregate name of "alba"; the only name entered in my own notes until a recent date. It may prove to be the more common of the two segregates, and to be tacitly taken as the type of *alba*.

993 Betula**glutinosa.****pubescens.**

2 Corn. east. Briggs cat.
3 Devon south. Briggs cat.

11 Hants south!

12 north!

13 Sussex west. Baker cat.

17 Surrey!

18 Essex south.

19 north. Varenne ms.

20 Herts.

21 Middlesex.

29 Cambridge. Babington cat.

31 Hunts. Newbould cat.

36 Hereford. Purchas cat.

38 Warwick. Kirk cat.

40 Salop. Leighton cat.

44 Carmarthen. Motley cat.

55 Leicester.

58 Chester. Hunt sp.

62 York n. east. Baker cat.

66 Durham. Norman cat.

67 Northumberland.

68 Cheviotland.

70 Cumberland. Baker cat.

76 Renfrew. Hennedy cat.

77 Lanark. Hennedy cat.

83 Edinburgh.

87 Perth west!

89 east!

92 Aber. south!

98 Argyle.

99 Dunbarton.

00 Clyde-isles. Hennedy cat.

02 Eb. south. Balfour cat.

04 north.

North Highlands; Bab.

994 Betula**nana.**

68 Cheviotland.

77 Lanark?

78 Peebles.

81 Berwick?

88 Perth mid.

90 Forfar!

92 Aber. south!

94 Banff. Gordon ms.

95 Elgin? Sir W. Hooker sp.

96 Easterness. Rutherford sp.

- 97 Westernness !
 05 Ross west.
 06 east. Gordon sp.
 08 Suth. west. Oliver sp.

995 Populus alba.

N.B. My notes show habitats for this Poplar in upwards of sixty counties, from Cornwall to Cantire and Elgin. For the majority of those counties it is marked as a tree likely or certainly introduced. It is given as an unquestioned native in the Floras of Surrey, Essex, Herts, Suffolk, Norfolk, Cambridge, etc. In the Floras of Tyne and North Yorkshire it is reduced to the grade of "denizen." And if I rightly know the distinction between *alba* and *canescens*, I should now deem the latter native, and the former planted, as seen in Surrey and elsewhere.

996 Populus canescens.

Cornwall.

- 3 Devon south.
 6 Som. north. Thwaites cat.
 9 Dorset.
 10 Wight. More cat.†
 11 Hants south.
 12 north.
 16 Kent west !
 17 Surrey ! Syme "sp."
 18 Essex south.
 19 north. Varenne cat.
 20 Herts. Coleman cat.*
 21 Middlesex.
 22 Berks.
 25 Suffolk east.

- 27 Norfolk east.
 29 Cambridge. Babington cat.
 33 Gloster east. Prentice cat.
 34 west. Thwaites cat.
 36 Hereford.
 37 Worcester.
 38 Warwick.
 39 Stafford. Fraser cat.
 40 Salop.
 45 Pembroke. Babington cat.
 50 Denbigh. Bowman cat.*
 51 Flint. Robinson cat.†
 52 Anglesea.
 55 Leicester.
 56 Notts.
 62 York n. east. Baker cat.†
 66 Durham. "denizen."
 67 Northumberland. "den."
 68 Cheviotland. "den."
 77 Lanark. Hennedy cat.*
 81 Berwick. "planted."

997 Populus tremula.

Counties all, except 5 11 15
 32 34 35 46 53 54 60 72
 73 82 84 86 98 102 109
 112. Likely enough it occurs in nearly all of these counties. It is marked as an uncertain native in the lists for (1 2 3 4 76 91).

998 Populus nigra.

N.B. This name is enumerated in nearly three score local Floras and Catalogues; but is branded as non-indigenous, with some few exceptions. It is allowed as indigenous in the Flora of Cambridge, which will be my excuse for noticing it at all in a series disregarding the non-indigenous.

999 Salix**pentandra.**

- 37 Worcester. Bagnall ms.
 38 Warwick. Kirk sp.
 39 Stafford. "abundant."
 40 Salop. Leighton cat.
 45 Pembroke. Babington cat.
 52 Anglesea.
 55 Leicester?
 56 Notts.
 58 Chester. Warren cat.†
 59 Lanc. south. Webb cat.†
 61 York s. east.
 62 n. east. Baker sp.
 63 s. west. Lees cat.
 64 m. west. Tatham cat.
 65 n. west. Ward sp.
 66 Durham. Storey sp.
 67 Northumb. Winch sp.
 68 Cheviot. Embleton cat.
 69 Westmoreland!
 70 Cumberland!
 71 Man. Forbes cat. "rare."
 72 Dumfries. Cruickshank sp.
 73 Kirkcud. Gray cat. co.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hennedy cat.
 81 Berwick.
 82 Haddington. Balfour cat.
 83 Edinburgh! Bell sp.
 84 Linlithgow.
 85 Fife. Boswell-Syme sp.
 87 Perth west. Syme cat.
 88 mid.
 90 Forfar. Gardiner sp.
 91 Kincardine.
 92 Aber. south. Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.†
 96 Easternness. Stables cat.†
 98 Argyle.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.

10 Hebrides. Planted?

(2 3 9 13 14 17 19 20 21
 23 25 36; apparently planted
 in these counties; very rare
 and uncertain in some of
 them). Rare and (as I now
 think) always planted in
 Surrey.

1001 Salix**fragilis, etc.**

Counties all, except 4 15 24
 25 31 32 35 45 46 51 57
 60 69 71 72 73 85 88 89
 93 94 97 98 99 103 to 112.
 Planted in Ross and Heb-
 rides, and perhaps not any-
 where truly indigenous in
 Scotland.

1002 Salix**alba, etc.**

Counties all, except 4 15 35
 41 46 49 51 57 60 61 71
 73 82 84 88 89 94 96 97
 103 to 112. Planted in
 Sutherland and Hebrides,
 and the same in many of
 the other counties which
 have been reported for it.
 Indeed, I have never seen
 the White Willow certainly
 native.

1003 Salix**triandra, etc.**

Counties all the English, except
 1 4 5 6 12 31 33 45 46
 49 51 53 54 57 58 60 61
 71. In Scotland, reported
 for 83 87 90 91, and likely
 not indigenous in these
 four.

1005 Salix**purpurea, etc.**

Counties all, except 1 2 4 5 6
10 11 16 22 31 35 41 to
51 53 54 57 69 70 71 73
74 75 82 85 86 89 94 to
99 103 to 112. But in
several of them it cannot be
declared "truly indigenous."

1006 Salix

rubra, etc.

Counties all the English, except
1 to 7 9 10 12 to 15 20 27
31 33 34 35 37 38 39 41
to 51 53 54 55 57 58 60
61 63 69 71. In Scotland,
Forbyana is recorded for 81
and 90; and *rubra* for 83 and
90, on most unsafe authority.

1007 Salix

viminalis.

Counties all, except 4 8 15 31
41 45 46 53 57 60 61 71
72 82 86 88 89 94 96 97
99 103 to 112. Planted at
Roddal, in Hebrides?

1008 Salix

Smithiana.

acuminata.

Counties all the English, except
1 4 6 7 8 23 24 25 30 31
35 46 49 50 51 53 57 60
61 63 71. In Scotland,
Smithiana (or *ferruginea*) is
reported for 81 83 84 85
90 101 102; and *acuminata*
for 76 77 81 83 102 111.
But truly little or no trust
can be given to these nume-
rals either way. The reported
localities of the two species
(if species at all) are inex-
tricably confused. Further,
it is impossible at present
to eliminate correctly the

native from the planted
habitats of this or of any of
the preceding species of the
genus.

1010 Salix

cinerea, etc.

Counties all, except 8 24 26
30 31 35 50 57 61 72 73
86 97 98 103 to 109. Likely
occurs in every county.

1011 Salix

aurita.

Counties all, except 4 12 15
28 31 32 35 45 51 54 57
60 61 71 73 82 98 99 106.
Probably it occurs in most
of these counties, if not in
all of them; equally so, with
respect to the usual nine
other counties, which are
to be understood exceptions
here as well as for each of
the preceding species.

1012 Salix

caprea.

Counties all, except 1-35 41
45 46 51 53 57 60 71 72
73 86 94 98 101 103 to
112. Doubtless it occurs in
all of these counties up to
no. 100, and perhaps truly
indigenous in all of them.

1013 Salix

nigricans.

62 York n. east. Baker sp.
64 m. west. Tatham cat.
65 n. west. Ward sp.
66 Durham. Norman cat.
67 Northumb. Winch sp.
68 Cheviotland.
70 Cumberland.
74 Wigton?

- 81 Berwick?
 83 Edinburgh?
 88 Perth mid! Syme sp.
 89 east! Gardiner sp.
 90 Forfar! Gardiner sp.
 92 Aber. south! Dickie cat.
 96 Easternness!
 02 Eb. south. Balfour cat.
 [3 14 17 23 28 36 56 59].

1014 Salix**laurina.**

- 65 York n. west. Leefe no. 73.
 66 Durham. New flo.
 67 Northumb. New flo.
 68 Cheviotland. New flo.
 69 Westm. Winch sp. tenuifolia.
 88 Perth mid. "Borrer."
 90 Forfar. Gardiner flo.
 [9 10 20 27 or 28 44]. I do
 not understand this Willow
 myself, and give its counties
 as they are found reported.

1015 Salix**phylicifolia.**

- 58 Chester. Warren cat.
 59 Lanc. south. "Dugdale!"
 64 York. m. west?
 65 n. west. Ward sp.
 66 Durham. Baker sp.
 67 Northumb. Winch sp.
 69 Westmoreland!
 70 Cumberland.
 72 Dumfries.
 77 Lanark.
 83 Edinburgh.
 88 Perth mid! Gardiner sp.
 89 east!
 90 Forfar! Gardiner sp.
 92 Aber. south! Dickie cat.
 96 Easternness.
 97 Westernness!
 98 Argyle!
 11 Orkney. Syme ms.
 [1 14 17 28].

1016 Salix**ambigua.**

N.B. This is a Willow which I
 do not understand at all
 clearly. Relying on leaf-
 specimens named by Dr.
 Boswell Syme, I believe to
 have seen it on the heaths
 of Surrey and Berkshire
 and in the East Highlands.
 There are records for "*am-
 bigua*" in 3 13 or 14 18 19
 25 67 88 90 96 or 97 103
 107 109 111.

1017 Salix**repens, etc.**

Counties all, except 4 5 7 16
 26 32 35 36 46 51 53 54
 57 60 71 72 80 82 84 86
 98 99 106; likely to be
 found in all or nearly all of
 these counties.

1021 Salix**arbuscula, etc.**

- 72 Dumfries. "Maughan."
 88 Perth mid! Balfour sp.
 90 Forfar? "G. Don."
 92 Aber. south. Dickie g.
 98 Argyle. "Dr. Stuart."
 111 Orkney? Neill Tour.

1022 Salix**Lapponum.**

- 83 Edinburgh. Maughan sp.
 86 Stirling. Prof. Balfour.
 88 Perth mid!
 89 east!
 90 Forfar! Cleghorn sp.
 92 Aber. south! Macnab sp.
 96 Easternness!
 97 Westernness!
 05 Ross west. Campbell sp.
 08 Suth. west. Graham sp.
 11 Orkney? Neill Tour.

[45 56 66; misnomers?].

1023 Salix**lanata.**

- 88 Perth mid. E. B. ed. 3.
 90 Forfar! Brand sp.
 92 Aber. south! Dickie cat.

1025 Salix**Myrsinites.**

- 90 Forfar! Gardiner sp.
 92 Aber. south. Dickie cat.
 96 Easternness. Gordon ms.
 98 Argyle. Brit. flo. ed. 4.
 06 Ross east? "reported."
 08 Suth. west? "reported."
 [55 65; errors].

1026 Salix**reticulata.**

- 88 Perth mid!
 90 Forfar! Pollexfen sp.
 92 Aber. south! Dickie cat.
 08 Suth. west. Graham exc.
 [49 64 69 70; errors].

1027 Salix**herbacea.**

- 42 Brecon.
 49 Carnarvon.
 64 York m. west. Tatham cat.
 69 Westmoreland!
 70 Cumberland!
 72 Dumfries.
 86 Stirling.
 87 Perth west. Syme cat.
 88 mid!
 89 east!
 90 Forfar!
 92 Aber. south! Dickie cat.
 94 Banff. Gordon ms.
 96 Easternness!
 97 Westernness!
 98 Argyle! Church. Bab. ms.
 00 Clyde-isles. Henedy cat.
 03 Eb. mid. Syme sp.

- 04 Eb. north. Lawson cat.
 05 Ross west.
 08 Suth. west! Graham sp.
 09 Caithness.
 10 Hebrides.
 11 Orkney.
 12 Shetland. Tate sp.

1028 Myrica**Gale.**

- 1 Corn. west!
 2 east. Briggs ms.
 3 Devon south. Briggs cat.
 Somerset. Trevelyan ms.
 8 Wilts south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight. More cat.
 11 Hants south! Notcutt cat.
 12 north!
 13 Sussex west. Borrer ms.
 14 east. Coleman cat.
 17 Surrey!
 21 Middlesex? Ever found?
 22 Berks.
 24 Bucks?
 25 Suffolk east.
 27 Norfolk east. Woodward sp.
 28 west.
 29 Cambridge. Extinct.
 31 Hunts. Extinct.
 39 Stafford.
 40 Salop. Leighton cat.
 41 Glamorgan.
 44 Carmarthen. Motley cat.
 45 Pembroke. Lees sp.
 46 Cardigan.
 48 Merioneth.
 49 Carnarvon! Robinson cat.
 50 Denbigh. Bowman cat.
 51 Flint. Robinson cat.
 52 Anglesea. Robinson cat.
 56 Notts.
 58 Chester. Warren cat.
 59 Lanc. south. Webb cat.
 61 York s. east.
 62 n. east.

- 63 York s. west. Lees cat.
 64 m. west. Tatham sp.
 67 Northumberland.
 68 Cheviot. Embleton cat.
 69 Westmoreland!
 70 Cumberland! Baker cat.
 71 Man. Forbes cat.
 72 Dumfries. G. Lloyd ms.
 73 Kirkcudbright. Gray cat.
 75 Ayr. Duncan cat.
 76 Renfrew. Hennedy cat.
 77 Lanark. Hooker sp.
 83 Edinburgh. Balfour cat.
 85 Fife.
 87 Perth west!
 88 mid! Worsley cat.
 89 east!
 90 Forfar. G. Macnab sp.
 91 Kincardine. Syme cat.
 92 Aber. south! Dickie cat.
 93 north. Dickie flo.
 94 Banff.
 95 Elgin. Gordon cat.
 96 Easternness! Stables cat.
 97 Westernness!
 99 Dunbarton. Hooker sp.
 00 Clyde-isles. Hennedy cat.
 01 Cantire. Balfour cat.
 02 Eb. south. Balfour cat.
 04 north. Lawson cat.
 06 Ross east! Gordon ms.
 07 Suth. east!
 08 west! Johnston ms.
 09 Caithness! Brown cat.

1029 Pinus**syvestris.**

- 88 Mid Perth!
 92 South Aberdeen!
 95 Elgin. Gordon cat.
 96 Easternness! Stables cat.
 97 Westernness!
 05 West Ross. Ch. Bab. ms.
 08 West Sutherland. Lightf.
 N.B. The Pine formerly grew
 throughout Britain, as is

shown by its remains still found plentifully in peat moors and elsewhere. Some natural forests of it still exist in the counties enumerated above; possibly in some few others also. Thousands of seedling fir-trees spring up yearly on the heaths of Surrey, and counties adjacent; which grow up to be timber trees where allowed to remain; but apparently all these can trace back their origin to planted trees only, or to other immediate offspring of planted trees; so that, they cannot be accepted now as purely native trees, however thoroughly naturalised again.

1030 Juniperus**communis.**

- 1 Corn. west. Cunnack sp.
 6 Som. north.
 7 Wilts north. Flower cat.
 8 south. Flower cat.
 9 Dorset. Pleydell cat.
 10 Wight? "one bush only."
 11 Hants south.
 12 north.
 13 Sussex west. Borrer cat.
 14 east. Coleman cat.
 15 Kent east! Smith cat.
 16 west.
 17 Surrey! Mrs. Tickner sp.
 18 Essex south.
 19 north. Varenne ms.†
 20 Herts. Blow ms.
 21 Middlesex. Extinct.
 22 Berks. Britten cat.
 23 Oxford.
 24 Bucks. Britten cat.
 25 Suffolk east.
 26 west.

- 28 Norfolk west.
- 29 Cambridge. Babington cat.
- 30 Bedford.
- 32 Northampton.
- 33 Gloster east. Prentice cat.
- 34 west.
- 36 Hereford. "Wilmott."
- 37 Worcester.
- 40 Salop.
- 41 Glamorgan.
- 49 Carnarvon. Bowman ms.
- 56 Notts.
- 62 York n. east. Baker ms.
- 64 m. west. Tatham cat.
- 65 n. west. Ward sp.
- 66 Durham. Bowman sp.
- 67 Northumberland.
- 68 Cheviot. Embleton cat.
- 69 Westmoreland!
- 70 Cumberland! Baker cat.
- 72 Dumfries. Gray cat.
- 73 Kirkcudbright. Gray ms.
- 75 Ayr. Duncan cat.
- 76 Renfrew. Hennedy cat.
- 77 Lanark. Hennedy cat.
- 80 Roxburgh. Duncan cat.
- 81 Berwick.
- 82 Haddington. Balfour cat.
- 83 Edinburgh! Balfour cat.
- 86 Stirling.
- 87 Perth west. Syme cat.
- 89 east!
- 90 Forfar! Croall sp.
- 91 Kincardine. Syme cat.
- 92 Aber. south! Dickie cat.
- 93 north. Dickie flo.
- 94 Banff.
- 95 Elgin. Gordon cat.
- 96 Easternness! Stables cat.
- 97 Westernness!
- 99 Dunbarton. Hooker sp.
- 00 Clyde-isles. Hennedy cat.
- 06 Ross east! Gordon cat.
- 08 Suth. west!
- 09 Caithness. Brown cat.
- 11 Orkney. Neill tour.

- 12 Shetland. Edmon. flo.
(27 39 55). [52]. Mr.
Cunnack's Juniper ("var.
prostrata") from the Lizard,
Cornwall, is a dwarf form
much like *nana*, the next
species or segregate.

1030 Juniperus *nana*.

- 49 Carnarvon. Butler sp.
- 69 Westmoreland.
- 70 Cumberland!
- 90 Forfar!
- 92 Aber. south!
- 00 Clyde-isles. Hennedy cat.
- 01 Cantire. Balfour cat.
- 02 Eb. south. Balfour sp.
- 04 north. Lawson cat.
- 08 Suth. west!
- 10 Hebrides.
- 11 Orkney. Syme cat.
- 12 Shetland.

N.B. It is difficult to trace any absolute line of separation between the Dwarf and the Common Juniper, much dissimilar as their general aspect certainly is while we are contrasting the extreme forms only. [65 76; requiring verification].

1031 Taxus *baccata*.

- 6 Som. north! Thwaites cat.
- 7 Wilts north. Flower cat.
- 8 south. Flower cat.
- 9 Dorset. Pleydell cat.
- 12 Hants north.
- 14 Sussex east. Coleman cat.
- 15 Kent east. Smith cat.
- 17 Surrey!
- 22 Berks. Britten cat.
- 23 Oxford.
- 24 Bucks. Britten cat.

- | | |
|-------------------------------|------------------------------|
| 25 Suffolk east. | 64 York m. west. Tatham sp. |
| 26 west. | 65 n. west. Ward cat. |
| 34 Gloster west. Thwaites sp. | 66 Durham. Bowman sp. |
| 35 Monmouth. Conway cat. | 67 Northumberland. |
| 36 Hereford. Purchas cat. | 68 Cheviotland. Tate cat. |
| 37 Worcester. | 69 Westmoreland! |
| 38 Warwick. Kirk cat. | 70 Cumberland! Baker cat. |
| 39 Stafford! | 75 Ayr. Duncan cat. |
| 40 Salop. Leighton cat. | 76 Renfrew. Hennedy cat. |
| 41 Glamorgan. | 98 Argyle. Lightf. scot. |
| 49 Carnarvon. Robinson cat. | (1 3 4 10 11 18 19 21 27 |
| 50 Denbigh! Bowman cat. | 29 33 55 58 59 61 63 77 |
| 51 Flint. Robinson cat. | 81 83 85 90 91 92 95 96; |
| 52 Anglesea. Robinson cat.† | more or less uncertainly in- |
| 56 Notts. | digenous; perhaps intro- |
| 57 Derby! Howitt cat. | duced to most of these |
| 62 York n. east. Baker cat.† | counties). |

NOTICE.

THE Monocotyledonous Orders are unavoidably postponed to a *Second Part*, as explained in the *Preface* to this one. This severance of the series into two separately printed portions, with a possibility that the second portion may never be written, renders it desirable to add a separate Index to the genera treated in this present Part; although, in case the two Parts should ever be bound together as one volume, the separating Index will appear to be awkwardly interposed.

INDEX TO THE GENERA

INCLUDED IN THE ~~MONO~~²COTYLEDONOUS ORDERS.

- | | | |
|--------------------|---------------------|----------------------|
| Acer, 104. | Atriplex, 333. | Chlora, 269. |
| Achillea, 253. | Atropa, 274. | Chrysanthemum, 250. |
| Aconitum, 37. | Azalea, 258. | Chrysocoma, 241. |
| Actæa, 37. | | Chrysosplenium, 176. |
| Adonis, 27. | Ballota, 300. | Cicendia, 268. |
| Adoxa, 178. | Barbarea, 60. | Cichorium, 229. |
| Ægopodium, 184. | Barkhausia, 228. | Cicuta, 182. |
| Æthusa, 191. | Bartsia, 281. | Cineraria, 247. |
| Agrimonia, 150. | Bellis, 250. | Circæa, 159. |
| Ajuga, 299. | Berberis, 37. | Clematis, 25. |
| Alchemilla, 152. | Beta, 336. | Clinopodium, 298. |
| Alnus, 356. | Betonica, 305. | Cochlearia, 52. |
| Althæa, 99. | Betula, 356. | Comarum, 143. |
| Anagallis, 324. | Bidens, 239. | Conium, 181. |
| Anchusa, 315. | Brassica, 64. | Convolvulus, 271. |
| Andromeda, 259. | Bryonia, 166. | Cornus, 179. |
| Androsæmum, 100. | Bunium, 185. | Coronopus, 46. |
| Anemone, 27. | Bupleurum, 187. | Corrigiola, 167. |
| Angelica, 194. | | Corydalis, 42. |
| Anthemis, 251. | Cakile, 45. | Corylus, 355. |
| Antirrhinum, 283. | Calamintha, 296. | Cotoneaster, 153. |
| Anthriscus, 197. | Callitriche, 164. | Cotyledon, 172. |
| Anthyllis, 116. | Calluna, 258. | Crambe, 46. |
| Apium, 182. | Caltha, 34. | Cratægus, 153. |
| Aquilegia, 36. | Campanula, 253. | Crepis, 218. |
| Arabis, 58. | Capsella, 49. | Crithmum, 193. |
| Arbutus, 259. | Cardamine, 56. | Cuscuta, 271. |
| Arctium, 230. | Carduus, 232. | Cynoglossum, 315. |
| Arenaria, 89. | Carlina, 237. | |
| Armeria, 326. | Carpinus, 355. | Daphne, 346. |
| Armoracia, 61. | Carum, 184. | Daucus, 195. |
| Arnoseris, 229. | Caucalis, 195. | Delphinium, |
| Artemisia, 241. | Centaurea, 237. | Dentaria, 55. |
| Arthrolobium, 128. | Centunculus, 324. | Dianthus, 77. |
| Asarum, 347. | Cerastium, 92. | Digitalis, 283. |
| Asperugo, 315. | Ceratophyllum, 165. | Diotis, 241. |
| Asperula, 207. | Chærophyllum, 198. | Dipsacus, 209. |
| Aster, 245. | Chelidonium, 42. | Draba, 54. |
| Astragalus, 126. | Chenopodium, 329. | Drosera, 74. |
| Athamanta, 192. | Cherleria, 95. | Dryas, 138. |

- Echium, 316.
 Elatine, 77.
 Empetrum, 347.
 Epilobium, 156.
 Erica, 258.
 Erigeron, 245.
 Erodium, 105.
 Eryngium, 180.
 Erysimum, 63.
 Erythræa, 268.
 Euonymus, 112.
 Eupatorium, 241.
 Euphorbia, 348.
 Euphrasia, 281.

 Fagus, 354.
 Filago, 244.
 Fœniculum, 192.
 Fragaria, 144.
 Frankenia, 77.
 Fraxinus, 264.
 Fumaria, 43.

 Galeopsis, 303.
 Galium, 203.
 Genista, 115.
 Gentiana, 265.
 Geranium, 106.
 Geum, 139.
 Glaucium, 42.
 Glaux, 326.
 Glechoma, 306.
 Gnaphalium, 242.

 Hedera, 179.
 Helianthemum, 68.
 Helleborus, 35.
 Helminthia, 213.
 Helosciadium, 183.
 Heracleum, 195.
 Herniaria, 167.
 Hieracium, 219.
 Hippocrepis, 128.
 Hippophae, 346.
 Hippuris, 161.
 Honckeneja, 87.
 Hottonia, 321.
 Humulus, 351.
 Hutchinsia, 49.
 Hydrocotyle, 180.
 Hyoscyamus, 272.
 Hypericum, 100.

 Hypochæris, 216.

 Iberis, 50.
 Ilex, 263.
 Illecebrum, 167.
 Impatiens, 112.
 Inula, 247.
 Isnardia, 159.

 Jasione, 257.
 Juniperus, 362.

 Knautia, 212.

 Lactuca, 216.
 Lamium, 301.
 Lampsana, 329.
 Lathræa, 289.
 Lathyrus, 133.
 Lavatera, 99.
 Leontodon, 214.
 Lepidium, 50.
 Lepigonum, 87.
 Ligusticum, 192.
 Ligustrum, 264.
 Limosella, 286.
 Linaria, 284.
 Linnæa, 202.
 Linum, 95.
 Lithospermum, 312.
 Littorella, 328.
 Lobelia, 257.
 Lonicera, 202.
 Lotus, 125.
 Lychnis, 81.
 Lycopsis, 314.
 Lycopus, 291.
 Lysimachia, 322.
 Lythrum, 165.

 Malva, 97.
 Marrubium, 307.
 Matricaria, 250.
 Matthiola, 64.
 Meconopsis, 41.
 Medicago, 117.
 Melampyrum, 281.
 Melilotus, 118.
 Melittis, 299.
 Mentha, 291.
 Menyanthes, 270.
 Menziesia, 258.

 Mercurialis, 350.
 Mertensia, 313.
 Meum, 193.
 Moenchia, 82.
 Monotropa, 263.
 Montia, 167.
 Mulgedium, 218.
 Myosotis, 309.
 Myosurus, 27.
 Myrica, 361.
 Myriophyllum, 162.
 Myrrhis, 198.

 Nasturtium, 60.
 Nepeta, 306.
 Nuphar, 39.
 Nymphaea, 38.

 Obione, 333.
 Oenanthe, 188.
 Onobrychis, 128.
 Ononis, 116.
 Onopordum, 236.
 Origanum, 295.
 Ornithopus, 127.
 Orobanche, 287.
 Orobis, 135.
 Oxalis, 112.
 Oxyria, 345.
 Oxytropis, 127.

 Papaver, 40.
 Parietaria, 351.
 Parnassia, 177.
 Pastinaca, 194.
 Pedicularis, 282.
 Peplis, 166.
 Petasites, 244.
 Petroselinum, 183.
 Peucedanum, 194.
 Physospermum, 181.
 Phyteuma, 257.
 Picris, 213.
 Pimpinella, 185.
 Pinguicula, 316.
 Pinus, 362.
 Plantago, 327.
 Polemonium, 270.
 Polycarpon, 167.
 Polygala, 75.
 Polygonum, 338.
 Populus, 357.

- Potentilla, 140.
- Poterium, 151.
- Primula, 320.
- Prunella, 308.
- Prunus, 135.
- Pulicaria, 249.
- Pulmonaria, 316.
- Pyrethrum, 250.
- Pyrola, 261.
- Pyrus, 154.

- Quercus, 353.

- Radiola, 96.
- Ranunculus, 28.
- Raphanus, 67.
- Reseda, 68.
- Rhamnus, 113.
- Rhinanthus, 281.
- Ribes, 168.
- Rosa, 145.
- Rubia, 202.
- Rubus, 144.
- Rumex, 342.

- Sagina, 83.
- Salicornia, 338.
- Salix, 358 to 361.
- Salsola, 337.
- Salvia, 291.
- Sambucus, 199.
- Samolus, 325.
- Sanguisorba, 151.
- Sanicula, 180.
- Saponaria, 78.
- Sarothamnus, 114.
- Saussurea, 231.

- Saxifraga, 173.
- Scabiosa, 211.
- Scandix, 197.
- Scleranthus, 168.
- Scrophularia, 282.
- Scutellaria, 308.
- Sedum, 169.
- Senecio, 245.
- Serratula, 231.
- Seseli, 192.
- Sherardia, 207.
- Sibbaldia, 140.
- Sibthorpia, 287.
- Silaus, 192.
- Silene, 78.
- Sinapis, 65.
- Sison, 184.
- Sisymbrium, 62.
- Sium, 185.
- Smyrniunum, 181.
- Solanum, 273.
- Solidago, 245.
- Sonchus, 218.
- Spartium, 114.
- Spergula, 85, 87.
- Spergularia, 87.
- Spiræa, 138.
- Stachys, 306.
- Statice, 326.
- Stellaria, 90.
- Suæda, 337.
- Subularia, 54.
- Symphytum, 313.

- Tanacetum, 250.
- Taraxacum, 228.
- Taxus, 363.

- Teesdalia, 49.
- Teucrium, 299.
- Thalictrum, 25.
- Thesium, 347.
- Thlaspi, 48.
- Thymus, 295.
- Tilia, 99.
- Tillæa, 169.
- Tordylium, 195.
- Torilis, 196.
- Tragopogon, 212.
- Trientalis, 321.
- Trifolium, 119.
- Trigonella, 119.
- Trinia, 183.
- Trollius, 35.
- Turritis, 59.
- Tussilago, 244.

- Ulex, 114.
- Ulmus, 352.
- Urtica, 351.
- Utricularia, 318.

- Vaccinium, 260.
- Valeriana, 207.
- Valerianella, 208.
- Verbascum, 275.
- Verbena, 290.
- Veronica, 276.
- Viburnum, 201.
- Vicia, 129.
- Villarsia, 270.
- Vinca, 265.
- Viola, 70.
- Viscum, 199.



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